

Chemical Compatibility Guide

Elastomeric Compounds



HIGH-PERFORMANCE MATERIALS

Greene, Tweed offers customized-engineered components that optimize the total system. We have 100 years of experience developing high-performance materials for a range of industries, from medical, aerospace and defense, to fluid handling, oilfield and semiconductor. We currently manufacture more than 300 unique elastomeric compounds and over 300 plastic production compounds from eight distinct plastic families.

Greene, Tweed formulates a variety of compounds to meet specific characteristics such as durometer, modulus, compression set, temperature, fluid compatibility, etc. Because we believe in collaborating with customers to match the specific needs of their applications, we can customize one of our many compounds to extend the performance of any process. Our engineers work side by side with customers to design the best solution for each individual application.

Greene, Tweed partners with customers to provide reliable, efficient answers to their application needs. With offices in the Americas, Europe and Asia, our customers can receive technical support from people who speak the same language. As a world-class leader in the design and manufacture of high-performance materials and customized-engineered components, we leverage our expertise in a variety of markets and products to give our customers the most innovative and cost-effective solutions to their demanding applications. To learn more about what the Inside Advantage can offer you, visit our website at www.gtweed.com.

OVERVIEW

Selecting the right elastomer and seal design to optimize system performance is a challenging task. This compatibility guide addresses only one aspect of the challenge—the ability of the seal material to resist the contacting fluid. Greene, Tweed offers all of the elastomeric materials shown in this guide to meet your needs.

The most chemically resistant of these materials is Chemraz®, a perfluoroelastomer combining the broad, almost universal chemical resistance of PTFE with the resilience of elastomers. When coupled with precision seal design, Chemraz components represent the ultimate in elastomeric seals.

However, when faced with the relatively high initial cost of such seals, the design engineer usually conducts a “cost to use” versus “price to purchase” review to establish value in use. Our design experts are available to assist in choosing the right elastomer for each unique application. Simply fill in the information on the engineering form (page 71) and fax it to us.

APPLYING THE COMPATIBILITY GUIDE

The ratings contained in this guide (see chart on the next pages) are based on existing published data, laboratory soak tests and informed decisions on the part of Greene, Tweed personnel. Most ratings are based on ambient temperature, low pressure and 100 percent concentrations. Exposure conditions differing from stated conditions could affect these ratings.

It is important to recognize real world differences when applying laboratory and empirical information to actual field situations. Soak tests usually employ full immersion of the test sample, in a pure fluid, at room temperature, without pressure or other stresses. In actual service, however, the seal is likely to experience a mixture of fluids, be exposed only on one edge, be compressed in a sealing gland and/or be subjected to process pressure, elevated temperatures and possibly abrasive particles. When stressed in these ways, the fluid attack on an elastomeric seal is almost always aggravated.

Many other factors can come into play to affect seal performance in actual field conditions. Some elastomer compounds shrink instead of swell in certain fluids. This phenomenon, coupled with high compression set, can result in seal leakage following thermal or pressure cycling. Seals behave differently in dynamic applications than in static conditions. Replacing one elastomeric seal of a given size with another seal of the same size made from a different elastomer may not be successful because of differences in their physical properties rather than simply their fluid compatibility.

Greene, Tweed offers a broad range of elastomer compounds. This booklet is only a general guide. It cannot account for differences in the plasticizers, fillers or curatives existing between different compounds of the same elastomer. Specific recommendations can only be made when the design and exposure conditions are provided for consideration by experienced seal engineers.

The suitability of all seals and seal materials should always be tested. Greene, Tweed encourages such testing and will provide test specimens to facilitate this.

CAUTION

Fluorinated products (i.e., Fluoraz®, Fluorosilicone and Chemraz®) should not be exposed to molten or gaseous alkali metals such as potassium or sodium, since an extremely exothermic reaction may occur.

COMPARISON OF PROPERTIES OF GENERIC ELASTOMERS

	CHEMRAZ® Perfluoroelastomer	FLUORAZ® TFE/Propylene	Fluoroelastomer VF ₂ HFP	Ethylene Propylene	Nitrile	Epichlorohydrin	Hydrogenated Nitrile	Neoprene	Polyurethane	Silicone	Fluorosilicone
Properties	FFKM	FEPM	FKM	EPDM	NBR	ECO	HNBR	CR	AU	SI	FSI
Abrasion Resistance	P	G	G	GE	G	G	G	G	E	P	P
Acid Resistance	E	E	E	G	F	FG	E	FG	P	FG	FG
Chemical Resistance	E	E	E	E	FG	G	FG	FG	F	GE	E
Cold Resistance	FP	P	FP	GE	G	GE	G	FG	G	E	GE
Electrical Properties	E	F	F	G	F	F	F	F	FG	E	E
Flame Resistance	E	E	E	P	P	FG	P	G	P	F	G
Heat Resistance	E	E	E	E	G	F	E	G	P	E	E
Impermeability	G	G	G	G	G	GE	G	G	G	P	P
Oil Resistance	E	E	E	P	E	E	E	FG	G	PG	G
Ozone Resistance	E	E	E	E	P	E	G	GE	E	E	E
Set Resistance	G	G	GE	GE	GE	PF	GE	F	F	GE	GE
Tear Resistance	FP	F	F	GE	FG	G	FG	FG	GE	P	P
Tensile Strength	FG	GE	GE	GE	GE	G	E	G	E	P	F
Water/Steam Resistance	E/F	E	FG	E	FG	F	E	F	P	F	F
Weather Resistance	E	E	E	E	F	E	G	E	E	E	E

P = Poor • F = Fair • G = Good • E = Excellent

ELASTOMER	TEMPERATURE RANGE	ELASTOMER	TEMPERATURE RANGE
Epichlorohydrin	-54°C to 121°C (-65°F to 250°F)	Fluorosilicone	-73°C to 204°C (-100° to 400°F)
Urethane	-54°C to 107°C (-65°F to 225°F)	Silicone	-101°C to 260°C (-150°F to 500°F)
Neoprene	-54°C to 121°C (-65°F to 250°F)	FKM Fluorocarbon	-40°C to 232°C (-40°F to 450°F)
Nitrile	-59°C to 121°C (-75°F to 250°F)	Fluoraz Fluorocarbon	0°C to 260°C (32°F to 500°F)
Hydrogenated Nitrile	-40°C to 177°C (-40°F to 350°F)	Chemraz Perfluoroelastomer	-30°C to 316°C (-22°F to 600°F)
Ethylene Propylene	-54°C to 149°C (-65°F to 300°F)		

RATING SCALE

1. Excellent; recommended for both static and dynamic services.
 2. Good resistance; usually satisfactory in static applications, might work in dynamic applications.
 3. Limited resistance; might work under certain conditions.
 4. Not recommended for service.
- N/A No rating due to insufficient data.

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C < T < 149°C -22°F < T < 300°F	149°C < T < 230°C 300°F < T < 446°F	-20°C < T < 149°C -4°F < T < 300°F	149°C < T < 260°C 300°F < T < 500°F	-18°C < T < 66°C 0°F < T < 150°F	66°C < T < 149°C 150°F < T < 300°F	149°C < T < 218°C 300°F < T < 425°F	218°C < T < 324°C 425°F < T < 615°F	-30°C < T < 149°C -22°F < T < 300°F	149°C < T < 220°C 300°F < T < 428°F	-30°C < T < 149°C -22°F < T < 300°F	149°C < T < 220°C 300°F < T < 428°F	Notes
Abietic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Acetaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Acetamide	1	1	1	1	1	2	2	3 - 4	1	1	1	1	8
Acetanilide	1	1	1	1	1	1	1	1	1	1	1	1	
Acetic Acid, 30%	1	1	1	1	1	1	1	1	2	2	1	1	3, 17
Acetic Acid, Glacial	1	1	1	1	1	1	1	1	2	2	1	1	17
Acetic Anhydride	1	1	1	1	1	1	1	1	2	2	1	1	
Aceto Cyanohydrin	1	1	1	1	1	1	1	1	1	1	1	1	
Acetoacetic Acid (Acetyl Acetic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Acetone (Dimethylketone, Propanone)	1	1	1	1	1	1	1	1	1	1	1	1	
Acetonitrile (Methyl Cyanide)	1	1	1	1	1	1	1	1	1	1	1	1	
Acetophenetidin	1	1	1	1	1	1	1	1	1	1	1	1	
Acetophenone (Methyl Phenyl Ketone)	1	1	1	1	1	1	1	1	1	1	1	1	
Acetotoluidine	1	1	1	1	1	1	1	1	1	1	1	1	
Acetyl Acetic Ester	1	1	1	1	1	1	1	1	1	1	1	1	
Acetyl Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Acetyl Benzene (Acetyl Phenone)	1	1	1	1	1	1	1	1	1	1	1	1	
Acetyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Acetyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Acetyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Acetylene	1	1	1	1	1	1	1	1	1	1	1	1	12
Acetylene Tetrabromide	1	1	1	1	1	1	1	1	1	1	1	1	
Acetylene Tetrachloride	1	1	1	1	1	1	1	1	1	1	1	1	
Acetylsalicylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Aconitic Acid	1	1	1	1	1	1	1	1	2	2	1	1	12, 17
Acridine	1	1	1	1	1	1	1	1	2	2	1	1	12
Acrolein (Acrylaldehyde, Allylaldehyde)	1	1	1	1	1	1	2	3	2	3	1	1	
Acrylaldehyde (Allylaldehyde, Acrolein)	1	1	1	1	1	1	2	3	2	3	1	1	
Acrylic Acid	1	1	1	1	1	1	1	1	2	2	1	1	12, 17
Acrylonitrile	1	1	1	1	2	2	2	2	1	1	1	1	6
Adipic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Aero Lubriplate	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aerosafe 2300	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aerosafe 2300W	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aeroshell 17, Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aeroshell 750	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aeroshell 1AC, Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aeroshell 7A, Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Aerozene 50 (50% Hydrazine, 50% UDMH)	2	2	2	2	2	2	2	2	2	2	2	2	
Air	1	1	1	1	1	1	1	1	1	1	1	1	
Alcohol, Denaturated	1	1	1	1	1	1	1	1	1	1	1	1	
Alkane (Paraffin)	1	1	1	1	1	1	1	1	1	1	1	1	
Alkanesulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Alkazene	1	1	1	1	1	1	1	1	1	1	1	1	
Alkene (Olefin)	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Alkyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Alkyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Alkylaryl Sulfonates	1	1	1	1	1	1	1	1	1	1	1	1	
Alkylaryl Sulfonics	1	1	1	1	1	1	1	1	1	1	1	1	
Alkyl naphthalene Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Allyl Alcohol (Propenol, Vinyl Carbinol)	1	1	1	1	1	1	1	1	1	1	1	1	
Allyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Allylidene Diacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Allylisothiocyanate (Allyl Mustard Oil)	1	1	1	1	1	1	1	1	1	1	1	1	
Alpha Picoline	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Ethylate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Fluorosilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Formate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Linoleate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Potassium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Sodium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Alums	1	1	1	1	1	1	1	1	1	1	1	1	
Amberic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Ambrex 33, Mobil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Ambrex 830, Mobil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Amines, Mixed (eg: Allyl, Ethyl, etc.)	1	1	1	1	2	4	4	4	1	2	1	2	8
Amino Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Aminoanthraquinone	1	1	1	1	1	1	1	1	1	1	1	1	
Aminoazobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Aminobenzene Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Aminobenzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Aminoethyldiethanolamine	1	1	1	1	2	2	3 - 4	4	1	2	1	2	8
Aminoethylethanolamine	1	1	1	1	2	4	4	4	1	2	1	2	8
Aminonaphthalin (Naphthylamine)	1	1	1	1	2	3	4	4	1	1	1	1	8
Aminopyridine	1	1	1	1	2	3	4	4	1	1	1	1	8
Aminosalicylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Aminotoluene (Toluidine)	1	1	1	1	1	1	1	1	1	1	1	1	
Aminoxylene (Xylidine)	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonia Gas	1	1	1	1	2	3	4	4	1	1	1	1	6
Ammonia, Anhydrous	1	1	1	1	2	2	3	4	2	2	1	2	6
Ammonium Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Arsenate	1	1	1	1	1	1	1	1	1	1	1	1	

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products. *For temperatures up to 250°C (482°F).

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Ammonium Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Bichromate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Bifluoride	1	1	1	1	2	2	2	2	1	1	1	1	15
Ammonium Bisulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Carbamate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Carbamate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Citrate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Dichromate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Diphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Fluoride	1	1	1	1	2	2	2	2	1	1	1	1	15
Ammonium Fluorosilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Formate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Hydrogen Carbonate	1	1	1	1	2	2	2	2	1	1	1	1	
Ammonium Hydrogen Fluoride	1	1	1	1	2	2	2	2	1	1	1	1	15
Ammonium Hydroxide (Conc.)	1	1	1	1	2	3	3	4	1	1	1	1	6
Ammonium Hydroxide (Dil.)	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Lactate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Metaphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Molybdate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Perchlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Perchloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Persulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Phosphate (Dibasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Phosphate (Monobasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Phosphate (Tribasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Phosphite	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Picrate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Polysulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Rhodanide	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Salicylate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Salt	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Silicofluoride	1	1	1	1	2	2	2	2	1	1	1	1	15
Ammonium Sodium Hydrogen Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Sulfamate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Sulfate Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Sulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Thiocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Thioglycolate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Thiosulfate	1	1	1	1	1	1	1	1	1	1	1	1	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Ammonium Tin Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Tungstate	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Valerate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Alcohol (Pentanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Benzene (Pentyl Benzene)	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Borate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Butyrate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Chloronaphtalene	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Cinnamic Aldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Amyl Laurate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Naphtalene	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Propionate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Amylene (Pentene)	1	1	1	1	1	1	1	1	1	1	1	1	
AN-0-3 Grade M	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
AN-0-6	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
AN-0-366	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
AN-VV-0-366B Hydraulic	1	1	1	1	1	1	1	1	1	1	1	1	
Anderol L-774 (Diester)	1	1	1	1	1	1	1	1	1	1	1	1	
Anderol L-826 (Diester)	1	1	1	1	1	1	1	1	1	1	1	1	
Anderol L-829 (Diester)	1	1	1	1	1	1	1	1	1	1	1	1	
ANG-25 (Diester)	1	1	1	1	1	1	1	1	1	1	1	1	
ANG-25 (Glyceralester)	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Chlorohydrate	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Dyes	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Hydrochloride	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Aniline Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Animal Fats	1	1	1	1	1	1	1	1	1	1	1	1	
Animal Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Anisole	1	1	1	1	1	1	1	1	1	1	1	1	
Anisoyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ansul Ether 161	1	1	1	1	1	1	1	1	1	1	1	1	
Ansul Ether 181	1	1	1	1	1	1	1	1	1	1	1	1	
Anthracene	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517			Cream 584, 585, SD585	
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	230°C<T<300°C 446°F<T<500°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	260°C<T<300°C 500°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	300°C<T<149°C 220°F<T<300°F	149°C<T<220°C 300°F<T<428°F	300°C<T<149°C 220°F<T<300°F	149°C<T<200°C 300°F<T<428°F
Anthracinone (Diphenylene Diketone)	1	1	1	1	1	1	1	1	1	1	1	1	1	
Anthracyanes	1	1	1	1	1	1	1	1	1	1	1	1	1	
Anthranilic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Anthraquinone	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Pentabromide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Pentachloride	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Pentafluoride	1	1	1	1	2	2	2	2	2	1	1	1	1	13
Antimony Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Tribromide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Trichloride	1	1	1	1	1	1	1	1	1	1	1	1	1	
Antimony Trifluoride	2	2	2	2	2	2	2	2	2	1	1	1	1	13
Antimony Trioxide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aqua Regia	1	1	1	1	1	1	1	1	1	3	4	1	1	16
Arachidic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Argon Gas	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arochlor 1248	1	2	1	1	1	1	1	1	1	1	2	1	2	5
Arochlor 1254	1	2	1	1	1	1	1	1	1	1	2	1	2	5
Arochlor 1260	1	2	1	1	1	1	1	1	1	1	2	1	2	5
Aromatic Fuels	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Monosulfide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Oxide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Pentabromide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Pentachloride	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Pentoxide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Tribromide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Trichloride	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Trifluoride	2	2	2	2	2	2	2	2	2	1	1	1	1	
Arsenic Trioxide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Trisulfide	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenites	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsine	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aryl Orthosilicate	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ascorbic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Askarel	1	1	1	1	1	1	1	1	1	1	1	1	1	
Askarel Transformer Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aspartic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Asphalt	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Fuel A	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Fuel B	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Fuel C	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Fuel D	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Oil No. 1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Oil No. 2	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Oil No. 3	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Oil No. 4	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASTM Oil No. 5	1	1	1	1	1	1	1	1	1	1	1	1	1	
ATL-857	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	1	
Atlantic Dominion F	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	1	
Atlantic Utro Gear-E	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	1	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
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Aurex 903R, Mobil	1	1	1	1	1	1	1	1	1	1	1	1	
Automatic Transmission Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Automotive Brake Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Azobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Bardol B	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Cyanite	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Polysulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Bayol 35	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Bayol D	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Beer	1	1	1	1	1	1	1	1	1	1	1	1	
Beet Sugar Liquid	1	1	1	1	1	1	1	1	1	1	1	1	
Beet Sugar Liquors	1	1	1	1	1	1	1	1	1	1	1	1	
Benzaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Benzaldehyde Disulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Benzamide	1	1	1	1	2	3	4	4	1	1	1	1	8
Benanthrone	1	1	1	1	1	1	1	1	1	1	1	1	
Benzene (Benzol)	1	1	1	1	1	1	1	1	1	1	1	1	
Benzene Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Benzene Hexachloride	1	1	1	1	1	1	1	1	1	1	1	1	
Benzene Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Benzidine	1	1	1	1	1	1	1	1	1	1	1	1	
Benzidine-III-Sulfonic Acid	1	1	1	1	1	1	1	1	2	2	1	1	16, 17
Benzidinic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Benzil	1	1	1	1	1	1	1	1	1	1	1	1	
Benzilic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Benzine	1	1	1	1	1	1	1	1	1	1	1	1	
Benzine, Aromatic	1	1	1	1	1	1	1	1	1	1	1	1	
Benzocatechol	1	1	1	1	1	1	1	1	1	1	1	1	
Benzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Benzoïn	1	1	1	1	1	1	1	1	1	1	1	1	
Benzonitrile	1	1	1	1	1	1	1	1	1	1	1	1	
Benzophenone (Diphenylketone)	1	1	1	1	1	1	1	1	1	1	1	1	
Benzoquinone	1	1	1	1	1	1	1	1	1	1	1	1	
Benzotrichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Benzotrifluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Benzoyl Chloride (Benzoylacid Chloride)	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Benzoyl Peroxide	1	1	1	1	1	1	1	1	2	2	1	1	16
Benzoylsulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Benzyl Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Butyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Cellulose	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Benzyl Salicylate	1	1	1	1	1	1	1	1	1	1	1	1	
Beryllium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Beryllium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Beryllium Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Beryllium Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Beryllium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Biphenyl	1	1	1	1	1	1	1	1	1	1	1	1	
Bismuth Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Bismuth Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Bismuth Oxychloride	1	1	1	1	1	1	1	1	1	1	1	1	
Black Liquor	1	1	1	1	1	1	1	1	4	4	2	2	
Black Point 77	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Blast Furnace Gas	1	1	1	1	1	1	1	1	1	1	1	1	
Bleaching Liquor	1	1	1	1	2	2	2	2	1	1	1	1	4
Blue Verdigris (Copper Acetate)	1	1	1	1	1	1	1	1	1	1	1	1	
Blue Vitriol	1	1	1	1	1	1	1	1	1	1	1	1	
Boiler Feed Water	1	1	1	1	1	2 - 4	4	4	3	3	1	1	10
Borated Water	1	1	1	1	1	1	1	1	1	1	1	1	
Borax	1	1	1	1	1	1	1	1	1	1	1	1	
Borax Solutions	1	1	1	1	1	1	1	1	1	1	1	1	
Bordeaux Mixture	1	1	1	1	1	1	1	1	1	1	1	1	
Boric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Boric Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Borneol	1	1	1	1	1	1	1	1	1	1	1	1	
Boron Fluids (HEF)	1	1	1	1	1	1	1	1	1	1	1	1	
Boron Hydride Fluids	1	1	1	1	1	1	1	1	1	1	1	1	
Boron Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Boron Tribromide	1	1	1	1	1	1	1	1	1	1	1	1	
Boron Trichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Boron Trifluoride	1	1	1	1	1	1	1	1	1	1	1	1	13
Boron Trioxide	1	1	1	1	1	1	1	1	1	1	1	1	
Boryl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Boryl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Boryl Formate	1	1	1	1	1	1	1	1	1	1	1	1	
Bray GG-130	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Brayco 885 (MIL-L-6085A)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Brayco 910	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Brine (Sea Water)	1	1	1	1	1	2 - 4	4	4	2	2	1	1	
Bromic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Bromine Anhydrous	1	1	1	1	1	1	1	1	1	1	1	1	
Bromine Pentafluoride	3	3	3	3	3	3	3	3	2	2	2	2	14
Bromine Trifluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Bromine Water	1	1	1	1	1	1	1	1	1	1	1	1	
Bromine, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Bromine, Wet	1	2	1	2	1	1	2	2	2	2	1	1	
2-Bromo-2-Methyl Propane	1	1	1	1	1	1	1	1	1	1	1	1	
3-Bromo-1-Propene	1	1	1	1	1	1	1	1	1	1	1	1	
Bromobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Bromobenzene Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Bromobutane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromochloromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromochlorotrifluoroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromochlorotrifluoromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromocyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Bromoethane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromoform	1	1	1	1	1	1	1	1	1	1	1	1	
Bromomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromopentane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromopropane	1	1	1	1	1	1	1	1	1	1	1	1	
Bromotrifluoromethane (Freon 13b1)	2	2	2	2	2	2	2	2	2	2	2	2	11
Brucine Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Bunker C (Fuel Oil)	1	1	1	1	1	1	1	1	1	1	1	1	
Bunker Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Butadiene (Divinyl)	1	1	1	1	4	4	4	4	1	1	1	1	6
Butane	1	1	1	1	1	1	1	1	1	1	1	1	
Butane 2, 2-Dimethyl	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Butane 2, 3-Dimethyl	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Butane Diol (Butylene Glycol)	1	1	1	1	1	1	1	1	1	1	1	1	
Butanol (Butyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1	
Butene (Butylene)	1	1	1	1	1	1	1	1	1	1	1	1	
Butter	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Acetyl Ricinoleate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Acrylate	1	1	1	1	1	1	1	1	1	1	1	1	12
Butyl Alcohol (Butanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Butyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Benzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Butyrate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Carbitol	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Cellosolve	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Cellosolve Adipate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517		Cream 584, 585, SD585	
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Butyl Glycolate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Lactate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Laurate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Oleate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Paraben	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Propionate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Butyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Butylene (Butene)	1	1	1	1	1	1	1	1	1	1	1	1	
Butylene Glycol (Butane Diol)	1	1	1	1	1	1	1	1	1	1	1	1	
Butylene Oxide	1	1	1	1	2	2	2	2	1	1	1	1	1
Butyraldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Butyric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Butyric Anhydride	1	1	1	1	1	1	1	1	2	2	1	1	
Butyrol Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Butyronitrile	1	1	1	1	1	1	1	1	1	1	1	1	
Butyryl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcine Liquors	1	1	1	1	N/A	N/A	N/A	N/A	3	3	3	3	
Calcium Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Arsenate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Bisulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Bisulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Carbide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Chromate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Cyanamide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Gluconate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hydride	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hydrogencarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hydrosulfide	1	1	1	1	1	1	1	1	1	1	1	1	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
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Calcium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hypochloride	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hypochlorite	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hypophosphite	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Lactate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Magnesiumchloride	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Naphthenate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Permanganate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Phenolsulfonate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Phosphate Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Propionate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Pyridine Sulfonate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Rhodanide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Silicate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Sulfamate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Sulfaminat	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Sulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Thiocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Thiosulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Tungstate	1	1	1	1	1	1	1	1	1	1	1	1	
Caliche Liquors	1	1	1	1	1	1	1	1	1	1	1	1	
Camphene	1	1	1	1	1	1	1	1	1	1	1	1	
Camphor	1	1	1	1	1	1	1	1	1	1	1	1	
Camphoric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Cane Sugar Liquors	1	1	1	1	1	1	1	1	1	1	1	1	
Capric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Caproic Acid	1	1	1	1	1	1	1	2	2	2	1	1	17
Caproic Aldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Caprolactam	1	1	1	1	1	1	1	1	1	1	1	1	
Capronaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Caprylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Carbamate	1	1	1	1	1	1	1	1	1	1	1	1	
Carbaminade	1	1	1	1	1	1	1	1	1	1	1	1	
Carbazole	1	1	1	1	1	1	1	1	1	1	1	1	
Carbitol	1	1	1	1	1	1	1	1	1	1	1	1	
Carbolic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Bisulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Dioxide	1	1	1	1	1	1	1	1	1	1	1	1	13

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Carbon Disulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Monoxide	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Tetrabromide	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Tetrachloride	1	1	1	1	1	1	1	1	2	2	1	1	
Carbon Tetrafluoride	2	2	2	2	2	2	2	2	2	2	2	2	14
Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Carbonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Carbonyl Chloride (Phosgene)	1	1	1	1	1	1	1	1	1	1	1	1	
Carbonyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Casein	1	1	1	1	1	1	1	1	1	1	1	1	
Castor Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Caustic Lime	1	1	1	1	1	1	1	1	1	1	1	1	
Caustic Potash	1	1	1	1	1	1	1	1	1	1	1	1	
Caustic Soda (Sodium Hydroxide)	1	1	1	1	1	1	1	1	1	1	1	1	
Cellosolve	1	1	1	1	1	1	1	1	1	1	1	1	
Cellosolve Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Cellosolve Butyl	1	1	1	1	1	1	1	1	1	1	1	1	
Cellosolve Methyl	1	1	1	1	1	1	1	1	1	1	1	1	
Celluguard	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Cellulose	1	1	1	1	1	1	1	1	1	1	1	1	
Cellulose Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Cellulose Acetate Butyrate	1	1	1	1	1	1	1	1	1	1	1	1	
Cellulose Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Cellulose Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Cellulose Tripropionate	1	1	1	1	1	1	1	1	1	1	1	1	
Cellulube A60	1	1	1	1	1	1	1	1	1	1	1	1	
Cellutherm 2505A	1	1	1	1	1	1	1	1	1	1	1	1	
Cerium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Cerous Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cerous Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Cerous Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Cetane	1	1	1	1	1	1	1	1	1	1	1	1	
Cetyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Chaulmoogric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
China Wood Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Chloral	1	1	1	1	1	1	1	1	1	1	1	1	
Chloramine	1	1	1	1	2	4	4	4	1	2	1	2	8
Chloranthraquinone	1	1	1	1	1	1	1	1	1	1	1	1	
Chlordane	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorextol	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Chloric Acid	1	1	1	1	1	1	1	1	2	2	1	1	16, 17
Chlorinated Salt Brine	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorinated Solvents, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorinated Solvents, Wet	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorine Dioxide	3	3	3	3	3	3	3	3	2	2	1	1	16
Chlorine Trifluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Chlorine Water	1	1	1	1	1	3	4	4	1	1	1	1	
Chlorine, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorine, Wet	2	2	2	2	2	2	2	2	2	2	1	1	16
1-Chloro-2-Methyl Butane	1	1	1	1	1	1	1	1	1	1	1	1	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
1-Chloro-2-Methyl Propane	1	1	1	1	1	1	1	1	1	1	1	1	
Chloro Oxyfluorides	2	2	2	2	2	2	2	2	1	1	1	1	16
Chloro Xylenols	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroacetaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	13
Chloroacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroacetone (Chloropropanone)	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroacetyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroalkyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroamino Benzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroaniline	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobenzaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Chlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobenzene Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobenzene Trifluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobenzochloride	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobromoethane	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobromomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobromopropane	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorobutadiene	1	1	1	1	2	2	2	2	1	1	1	1	
Chlorobutane	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorodifluoroethane	2	2	2	2	2	2	2	2	2	2	2	2	11
Chlorodifluoromethane (Freon 22)	2	2	2	2	2	2	2	2	2	2	2	2	11
Chlorododecane	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroethane Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroethene	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroethylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorofluoromethane (Freon 22)	2	2	2	2	2	2	2	2	2	2	2	2	11
Chloroform	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorohydrin	1	1	1	1	1	1	1	1	1	1	1	1	
Chloromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Chloronaphthalene	1	1	1	1	1	1	1	1	1	1	1	1	
Chloronitrobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Chloropentafluoroethane (Freon 115)	2	2	2	2	2	2	2	2	2	2	2	2	11
Chloropentane	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorophenol	1	1	1	1	1	1	1	1	1	1	1	1	
Chloropicrin	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroprene	1	1	1	1	2	2	2	2	1	1	1	1	6
Chloropropane	1	1	1	1	1	1	1	1	1	1	1	1	
Chloropropanone (Chloroacetone)	1	1	1	1	1	1	1	1	1	1	1	1	
Chloropropene	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorosilanes	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorosulfonic Acid (Sulfuric Chlorohydrin)	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorotetrafluoroethane (Freon 124)	2	2	2	2	2	2	2	2	2	2	2	2	11
Chlorotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorotoluene Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorotoluidine	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorotrifluoro Ethylene (CTFE)	2	2	2	2	2	2	2	2	2	2	2	2	13

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Chlorotrifluoromethane (Freon 113)	2	2	2	2	2	2	2	2	2	2	2	2	11
Chlorox	1	1	1	1	1	1	1	1	1	1	1	1	
Chloroxylols	1	1	1	1	1	1	1	1	1	1	1	1	
Cholesterol	1	1	1	1	1	1	1	1	1	1	1	1	
Chrome Alum	1	1	1	1	1	1	1	1	1	1	1	1	
Chrome Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Chrome Plating Solution	1	1	1	1	1	1	1	1	1	1	1	1	
Chromic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Chromic Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Chromic Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Chromic Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Chromic Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Chromic Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Chromic Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Chromium Potassium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Chromyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cinnamic Acid (Phenyl Acrylic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Cinnamic Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Cinnamic Aldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Circo Light Process Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Citric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
City Service 65	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
City Service 120	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
City Service 250	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
City Service Kool Motor Oil No. 140	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
City Service Pacemaker No. 2	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Coal Tar	1	1	1	1	1	1	1	1	1	1	1	1	
Cobalt Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cobaltous Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Cobaltous Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Cobaltous Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Cobaltous Linoleate	1	1	1	1	1	1	1	1	1	1	1	1	
Cobaltous Naphthenate	1	1	1	1	1	1	1	1	1	1	1	1	
Cobaltous Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Coconut Oil/Butter	1	1	1	1	1	1	1	1	1	1	1	1	
Cod Liver Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Coke Oven Gas	1	1	1	1	1	1	1	1	1	1	1	1	
Convelex 10	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Coolanol (Monsanto)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Coolanol 25	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Coolanol 45	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Copper Acetate (Blue Verdigris)	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Ammonium Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Gluconate	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Naphthenate	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Salts	1	1	1	1	1	1	1	1	1	1	1	1	

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Copper Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Corn Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Corn Syrup	1	1	1	1	1	1	1	1	1	1	1	1	
Cottonseed Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Creosote (Coal Tar)	1	1	1	1	1	1	1	1	1	1	1	1	
Creosote (Wood Tar)	1	1	1	1	1	1	1	1	1	1	1	1	
Cresol (Methyl Phenol)	1	1	1	1	1	1	1	1	1	1	1	1	
Cresylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Crotonaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Crotonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Crude Oil	1	1	1	1	1	1	1	1	1	1	1	1	7
Crude Oil (Asphalt Base)	1	1	1	1	1	1	1	1	1	1	1	1	
Cumaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Cumene	1	1	1	1	1	1	1	1	1	1	1	1	
Cumene Hydroperoxide	1	1	1	1	1	1	1	1	1	1	1	1	
Cupric Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Cutting Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Cyanamide	1	1	1	1	2	3	4	4	1	1	1	1	8
Cyanides	1	1	1	1	1	1	1	1	1	1	1	1	
Cyanoacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Cyanogen Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cyanogen Gas	1	1	1	1	1	1	1	1	1	1	1	1	
Cyanohydrin	1	1	1	1	1	1	1	1	1	1	1	1	
Cyanuric Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Cycloalkane (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Cycloheptane	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclohexane (Hexamethylene)	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclohexanol	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclohexanolester	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclohexanone	1	1	1	1	1	1	1	1	1	2	1	1	
Cyclohexene	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclohexylamine	1	1	1	1	2	4	4	4	1	2	1	2	8
Cyclohexylamine Carbonate	1	1	1	1	2	4	4	4	1	2	1	2	8
Cyclohexylamine Laurate	1	1	1	1	2	4	4	4	1	2	1	2	8
Cyclooctane	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclooctatetraene	1	1	1	1	1	1	1	1	1	1	1	1	
Cycloolefin (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Cycloparaffin (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclopentadiene	1	1	1	1	2	2	2	2	1	1	1	1	6
Cyclopentamethylene	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclopentane	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclopentene	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclopolyolefin (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclopropane	1	1	1	1	1	1	1	1	1	1	1	1	
Cyclosilane	1	1	1	1	1	1	1	1	1	1	1	1	
Cymene	1	1	1	1	1	1	1	1	1	1	1	1	
Decalin	1	1	1	1	1	1	1	1	1	1	1	1	
Decane	1	1	1	1	1	1	1	1	1	1	1	1	

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	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	Notes	
Decyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1		
Decyl Acrylate	1	1	1	1	1	1	1	1	1	1	1	1		
Decyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1		
Deionized Water (DI Water)	1	1	1	1	1	3	4	4	2	2	1	1	10, 17	
Delco Brake Fluid	1	1	1	1	1	1	1	1	1	1	1	1		
Detergent Solutions	1	1	1	1	1	1	1	1	1	1	1	1		
Developing Fluids	1	1	1	1	1	1	1	1	1	1	1	1		
Dextrin	1	1	1	1	1	1	1	1	1	1	1	1		
Dextro Lactic Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Dextron	1	1	1	1	1	1	1	1	1	1	1	1		
Dextrose	1	1	1	1	1	1	1	1	1	1	1	1		
DI (2-ethylhexyl) Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diacetone	1	1	1	1	1	1	1	1	1	1	1	1		
Diacetone Alcohol (Diacetol)	1	1	1	1	1	1	1	1	1	1	1	1		
Dialkyl Sulfates	1	1	1	1	1	1	1	1	1	1	1	1		
Diallyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Diallyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diammonium Phosphate	1	1	1	1	1	1	1	1	1	1	1	1		
Diamyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8	
Diazinon	1	1	1	1	1	1	1	1	1	1	1	1		
Diazobicycloundecane	1	1	1	1	3	3	3	3	1	1	1	1	6	
Dibenzyl	1	1	1	1	1	1	1	1	1	1	1	1		
Dibenzyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Dibenzyl Sebacate	1	1	1	1	1	1	1	1	1	1	1	1		
Diborane	1	1	1	1	1	1	1	1	1	1	1	1		
Dibromodifluoroethane	2	2	2	2	2	2	2	2	2	2	2	2	13	
Dibromoethane	1	1	1	1	1	1	1	1	1	1	1	1		
Dibromoethyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1		
Dibromomethane	1	1	1	1	1	1	1	1	1	1	1	1		
Dibromopropane	1	1	1	1	1	1	1	1	1	1	1	1		
Dibromotetrafluoroethane	2	2	2	2	2	2	2	2	2	2	2	2	13	
Dibutyl Cellosolve Adipate	1	1	1	1	2	1	1	1	1	2	1	2		
Dibutyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Dibutyl Methyleneithioglycolate	1	1	1	1	1	1	1	1	1	1	1	1		
Dibutyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Dibutyl Sebacate	1	1	1	1	1	1	1	1	1	1	1	1		
Dibutyl Thioglycolate	1	1	1	1	1	1	1	1	1	1	1	1		
Dibutyl Thiourea	1	1	1	1	1	1	1	1	1	1	1	1		
Dibutylamine	1	1	1	1	1	4	4	4	1	1	1	1		
Dichloroacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Dichloroacetone	1	1	1	1	1	1	1	1	1	1	1	1		
Dichloroaniline	1	1	1	1	1	1	1	1	1	1	1	1		
Dichlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1		
Dichlorobutane	1	1	1	1	1	1	1	1	1	1	1	1		
Dichlorobutene	1	1	1	1	1	1	1	1	1	1	1	1		
Dichlorodifluoromethane (Freon 12)	2	2	2	2	2	2	2	2	2	2	2	2	11	
Dichlorodiphenyl Dichloroethane (DDD)	1	1	1	1	1	1	1	1	1	1	1	1		
Dichlorodiphenyl Trichloroethane (DDT)	1	1	1	1	1	1	1	1	1	1	1	1		
Dichloroethane (Ethylene Dichloride)	1	1	1	1	1	1	1	1	1	1	1	1		
Dichloroethene	1	1	1	1	1	1	1	1	1	1	1	1		
Dichloroethyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		

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Dichloroethylene	1	1	1	1	1	1	1	1	1	1	1	1	
Dichlorofluoromethane (Freon 21)	2	2	2	2	2	2	2	2	2	2	2	2	11
Dichlorohexane	1	1	1	1	1	1	1	1	1	1	1	1	
Dichlorohydrin	1	1	1	1	1	1	1	1	1	1	1	1	
Dichloroisopropyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Dichloromethane (Methylene Chloride)	1	1	1	1	1	1	1	1	1	1	1	1	
Dichlorophenol	1	1	1	1	1	1	1	1	1	1	1	1	
Dichlorophenoxyacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Dichloropropane	1	1	1	1	1	1	1	1	1	1	1	1	
Dichloropropene	1	1	1	1	1	1	1	1	1	1	1	1	
Dichlorosilane	1	1	1	1	1	1	1	1	1	1	1	1	
Dichlorotetrafluoroethane (Freon 114)	2	2	2	2	2	2	2	2	2	2	2	2	11
Dicyclohexyl Ammonium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Dicyclohexylamine	1	1	1	1	2	4	4	4	1	2	1	2	
Dicyclopentadiene	1	1	1	1	2	2	2	2	1	1	1	1	6
Dieldrin	1	1	1	1	1	1	1	1	1	1	1	1	
Diesel Fuel	1	1	1	1	1	1	1	1	1	1	1	1	
Diesel Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Diester Lubricant	1	1	1	1	1	1	1	1	1	1	1	1	
Diester Lubricant (MIL-L-7808)	1	1	1	1	1	1	1	1	1	1	1	1	
Diester Synthetic Lubricating Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Diethanolamine (DEA)	1	1	1	1	2	4	4	4	1	2	1	2	8
Diethyl Aminoethanol	1	1	1	1	2	3	4	4	1	2	1	2	8
Diethyl Aniline	1	1	1	1	2	1	1	1	2	2	1	1	8
Diethyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Diethyl Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Diethyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Diethyl Ketone (Pentanone)	1	1	1	1	1	1	1	1	1	1	1	1	
Diethyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Diethyl Sebacate	1	1	1	1	1	1	1	1	1	1	1	1	
Diethyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Diethylamine	1	1	1	1	1	4	4	4	1	1	1	1	
Diethylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Diethylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
Diethylenetriamine	1	1	1	1	2	4	4	4	1	2	1	2	8
Difluorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Difluorochloroethane (Freon 142b)	2	2	2	2	2	2	2	2	2	2	2	2	11
Difluorodibromomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Difluorodichloromethane (Freon 12)	2	2	2	2	2	2	2	2	2	2	2	2	11
Difluoroethane (Freon 152a)	2	2	2	2	2	2	2	2	2	2	2	2	11
Difluoromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Difluoromonochloroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Diglycol Chloroformate	1	1	1	1	1	1	1	1	1	1	1	1	
Diglycolic Acid (Dibutyl Ether)	1	1	1	1	1	1	1	1	1	1	1	1	
Diheptyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Dihexyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Dihydroxydiphenyl Sulfone	1	1	1	1	1	1	1	1	1	1	1	1	
Diiodomethane	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517			Cream 584, 585, SD585	
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes	
Diisobutyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutylene	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutylene	1	1	1	1	1	1	1	1	1	1	1	1		
Diisobutylmethyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1		
Diisooctyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diisooctyl Sebacate	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Diisopropylidene Acetone	1	1	1	1	1	1	1	1	1	1	1	1		
Diketene	1	1	1	1	2	2	2	2	1	1	1	1	12	
Dimethoxyethane	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethoxytetraglycol	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Acetamide	1	1	1	1	2	2	3	4	1	1	1	1	8	
Dimethyl Amine (DMA)	1	1	1	1	2	4	4	4	1	2	1	2	8	
Dimethyl Aniline	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Butadiene	1	1	1	1	4	4	4	4	1	1	1	1	6	
Dimethyl Butane	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Disulfide (DMDS)	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Ethyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Formaldehyde	1	1	1	1	1	1	2	3	2	3	1	1		
Dimethyl Formamide (DMF)	1	1	1	1	1	1	2	2	1	1	1	1		
Dimethyl Hydrazine	1	1	1	1	2	2	2	2	1	1	1	1	6	
Dimethyl Phenyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Phenyl Methanol	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Sulfoxide (DMSO)	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethyl Terephthalate (DMT)	1	1	1	1	1	1	1	1	1	1	1	1	12	
Dimethylether	1	1	1	1	1	1	1	1	1	1	1	1		
Dimethylphthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Dinitrochlorobenzene (DNCB)	1	1	1	1	1	1	1	1	1	1	1	1		
Dinitrogen Tetroxide	3	3	3	3	3	3	3	3	2	2	1	1	16	
Dinitrotoluene (DNT)	1	1	1	1	1	1	1	1	1	1	1	1		
Dinonyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diocetyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8	
Diocetyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1		
Diocetyl Sebacate	1	1	1	1	1	1	1	1	1	1	1	1		
Dioxalene	1	1	1	1	1	1	1	1	1	1	1	1		
Dioxane	1	1	1	1	1	1	1	1	1	1	1	1		
Dioxolanes (Dioxonlans)	1	1	1	1	1	1	1	1	1	1	1	1		
Dioxosuccinic Acid (Tartaric Acid)	1	1	1	1	1	1	1	1	1	1	1	1		
Dipentene	1	1	1	1	1	1	1	1	1	1	1	1		
Diphenyl	1	1	1	1	1	1	1	1	1	1	1	1		
Diphenyl Amine (DPA)	1	1	1	1	2	4	4	4	1	2	1	2	8	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526*, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Diphenyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenyl Oxides	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylene Diketone (Anthraquinone)	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylene Oxides	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylethane	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylether	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylketone (Benzophenone)	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylmethane	1	1	1	1	1	1	1	1	1	1	1	1	
Diphenylpropane	1	1	1	1	1	1	1	1	1	1	1	1	
Disilane	1	1	1	1	1	1	1	1	1	1	1	1	
Distilled Water	1	1	1	1	1	3	4	4	2	2	1	1	10, 17
Di-tert-butyl Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Dodecyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Dodecyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Dow Chemical 50-4	2	2	2	2	N/A	N/A	N/A	N/A	2	2	2	2	
Dow Chemical ET378	2	2	2	2	N/A	N/A	N/A	N/A	2	2	2	2	
Dow Chemical ET588	2	2	2	2	N/A	N/A	N/A	N/A	2	2	2	2	
Dow Corning 3	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 4	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 5	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 11	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 33	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 44	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 55	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 200	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 510	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 550	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 705	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 710	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 1208	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 4050	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 6620	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning 55220	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning F60	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning F61	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Corning XF-60	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dow Guard	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dowtherm 209	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Dowtherm A	1	1	1	1	1	1	1	1	1	1	1	1	
Dowtherm E	1	1	1	1	1	1	1	1	1	1	1	1	
Dowtherm G	1	1	1	1	1	1	1	1	1	1	1	1	
Dowtherm H	1	1	1	1	1	1	1	1	1	1	1	1	
Dowtherm LF	1	1	1	1	1	1	1	1	1	1	1	1	
Drilling Fluids	1	1	1	1	1	1	1	1	1	1	1	1	
Drinking Water	1	1	1	1	1	2 - 4	4	4	1	1	1	1	10
Dry Cleaning Fluids	1	1	1	1	1	1	1	1	1	1	1	1	
DTE Light Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
ELCO 28 EP Lubricant	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Epichlorohydrin	1	1	1	1	2	2	2	2	2	2	2	2	
Epoxy Resins	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Erucic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Esam-6 Fluid	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esso Fuel 208	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esso Golden Gasoline	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esso Motor Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esso Transmission Fluid, Type A	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esso WS2812 (MIL-L-7808A)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esso XP90-EP Lubricant	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esstic 42	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Esstic 43	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Ethane	1	1	1	1	1	1	1	1	1	1	1	1	
Ethane Diol (Ethylene Glycol)	1	1	1	1	1	1	1	1	1	1	1	1	
Ethanol (Ethyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1	
Ethanolamine (MEA)	1	1	1	1	2	4	4	4	1	2	1	2	8
Ethene (Ethylene)	1	1	1	1	1	1	1	1	1	1	1	1	
Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Acetoacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Acrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Acrylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Alcohol (Ethanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Aluminum Dichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Amine (Monoethyl Amine)	1	1	1	1	2	4	4	4	1	2	1	2	8
Ethyl Amyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Amyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Amyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Amyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Butadiene	1	1	1	1	4	4	4	4	1	1	1	1	6
Ethyl Butyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Butyrate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cellosolve	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cellulose	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Chloroacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Chlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Chlorocarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Chloroformate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Chlorosilane	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cyclohexane	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cyclohexanone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cyclopentamethylene	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Cyclopentane	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Dibromide	1	1	1	1	1	1	1	1	1	1	1	1	

CHEMRAZ® compound:	Black 505, 504, 510		Black 526*, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
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Ethyl Dichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Ester	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Formate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Glycerol	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Heptanol	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Heptyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Hexanol	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Hexyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isoamyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isoamyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isobutyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isobutyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isobutyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isopropyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isopropyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Isovalerate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Ketone Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Lactate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Morpholine	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Naphthalene	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Naphthyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Nonyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Oleate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Paraben	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Pentachlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Phenyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Phenylacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Propyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Propyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Pyridine	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Pyrrolidine	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Pyrrolidone	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Salicylate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Silicate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Sulfuric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Ethyl Tertiary Butyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517			Cream 584, 585, SD585	
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<200°C 300°F<T<428°F	Notes	
Ethyl Trichloride	1	1	1	1	1	1	1	1	1	1	1	1		
Ethyl Valerate	1	1	1	1	1	1	1	1	1	1	1	1		
Ethyl Vinyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Ethyl Xanthogeneformate	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene (Ethene)	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Bromide	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Chloride	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Chlorohydrin	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Cyanohydrin	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Diamine	1	1	1	1	2	4	4	4	1	2	1	2	8	
Ethylene Dibromide	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Dichloride	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Glycol (Ethane Diol)	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Hydrochloride	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Imine	1	1	1	1	2	3	4	4	2	2	1	1	8	
Ethylene Oxide	1	1	1	1	2	2	2	2	2	3	2	3	1	
Ethylene Tribromide	1	1	1	1	1	1	1	1	1	1	1	1		
Ethylene Trichloride	1	1	1	1	1	1	1	1	1	1	1	1		
Fatty Acids	1	1	1	1	1	1	1	1	1	1	1	1		
Ferbric Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Acetate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Ammonia Alum	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Ammonium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Chloride	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Ferrocyanide	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Nitrate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Persulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Sodium Cyanide	1	1	1	1	1	1	1	1	1	1	1	1		
Ferric Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Ammonium Citrate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Ammonium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Bromide	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Carbonate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Chloride	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Iodide	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Phosphate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Ferrous Tartrate	1	1	1	1	1	1	1	1	1	1	1	1		
Fish Oil	1	1	1	1	1	1	1	1	1	1	1	1		
Fluorine, Gas	2	2	2	2	2	2	2	2	3	3	2	2	16	
Fluorine, Liquid	2	2	2	2	2	2	2	2	3	3	2	2	16	
Fluorobenzene	1	1	1	1	1	1	1	1	1	1	1	1		
Fluoroboric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17	
Fluorocarbon Oils	2	2	2	2	2	2	2	2	2	2	2	2	13	
Fluoroethane	1	1	1	1	1	1	1	1	2	2	1	1		
Fluoroform (Freon 23, Trifluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11	
Fluorolube	2	2	2	2	2	2	2	2	2	2	2	2	13	
Fluoromethane	1	1	1	1	1	1	1	1	2	2	1	1		
Fluorophosphoric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17	
Fluoropropane	1	1	1	1	1	1	1	1	2	2	1	1		

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Fluorosilicic Acid (Fluosilicic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Fluorosilicic Zinc (Fluosilicic Zinc)	1	1	1	1	1	1	1	1	1	1	1	1	
Fluorosulfonic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Formaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Formamide	1	1	1	1	3	4	4	4	1	1	1	1	
Formic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Freon 11 (Trichlorofluoromethane, Freon MF)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 12 (50%) + ASTM-Oil No. 2 (50%)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 12 (Dichlorodifluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 13 (Chlorotrifluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 13b1 (Bromotrifluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 14 (Tetrafluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 21 (Dichlorofluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 22 (Chlorofluoromethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 23 (Fluoroform)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 31	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 32	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 112	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 113 (Trichlorotrifluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 114 (Dichlorotetrafluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 114b2	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 115 (Chloropentafluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 116 (Hexafluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 124 (Chlorotetrafluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 134a (Tetrafluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 141b	1	1	1	1	1	1	1	1	1	1	1	1	11
Freon 142b (Difluorochloroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 152a (Difluoroethane)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 152b	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 218	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 500	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 502	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon 503	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon BF	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon C316	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon C318	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon MF (Trichlorofluoromethane, Freon 11)	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon PCA	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon TA	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon TC	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon TF	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon TMC	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon T-P 35	2	2	2	2	2	2	2	2	2	2	2	2	11
Freon T-WD 602	2	2	2	2	2	2	2	2	2	2	2	2	11
Fruit Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Fuel Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Fuel Oil No. 6	1	1	1	1	1	1	1	1	1	1	1	1	
Fuel Oil, Acidic	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
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Fumaric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Furan (Furfuran)	1	1	1	1	1	1	1	1	1	1	1	1	
Furfuraldehyde (Furfural, Furaldehyde)	1	1	1	1	1	1	2	3	2	3	1	1	
Furfuryl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Furfurylcarbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Furoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Furyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Furyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 90	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 100	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 150	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 220	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 300	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 500	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel 550	1	1	1	1	1	1	1	1	1	1	1	1	
Fyrquel A60	1	1	1	1	1	1	1	1	1	1	1	1	
Gallic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Gasoline	1	1	1	1	1	1	1	1	1	1	1	1	
Gelatine	1	1	1	1	1	1	1	1	1	1	1	1	
Glaubers Salt (Sodium Sulfate)	1	1	1	1	1	1	1	1	1	1	1	1	
Gluconic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Glucose	1	1	1	1	1	1	1	1	1	1	1	1	
Glutamic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Glycerin (Propane Triol)	1	1	1	1	1	1	1	1	1	1	1	1	
Glycerin Phosphoric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Glycerin Trinitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Glycerol	1	1	1	1	1	1	1	1	1	1	1	1	
Glycerol Triacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Glyceryl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Glycidol	1	1	1	1	1	1	1	1	1	1	1	1	
Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
Glycol Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Glycolic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Glycols (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Glyoxal	1	1	1	1	1	1	1	1	1	1	1	1	
Glyoxalic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Green Sulfate Liquor	1	1	1	1	1	1	1	1	4	4	1	2	
Gulf Endurance Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulf FR Fluids (Emulsions)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulf Harmony Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulf High Temperature Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulf Legion Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulf Paramount Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulf Security Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Gulfcrown Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Halothane	1	1	1	1	1	1	1	1	2	2	2	2	
Halowax Oil	1	1	1	1	1	1	1	1	2	2	2	2	
Hannifin Lube A	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Heavy Fuel Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Heavy Water	1	1	1	1	1	1	1	1	1	1	1	1	
HEF-2 (High Energy Fuel 2)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	

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Helium	1	1	1	1	1	1	1	1	1	1	1	1	
Heptachlorine	1	1	1	1	1	1	1	1	1	1	1	1	
Heptachlorobutene	1	1	1	1	1	1	1	1	1	1	1	1	
Heptadecanic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Heptaldehyde (Heptanal)	1	1	1	1	1	1	2	3	2	3	1	1	
Heptane	1	1	1	1	1	1	1	1	1	1	1	1	
n-Heptane	1	1	1	1	1	1	1	1	1	1	1	1	
Heptanoic Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Heptanol (Heptyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1	
Heptene (Heptylene)	1	1	1	1	1	1	1	1	1	1	1	1	
Heptite	1	1	1	1	1	1	1	1	1	1	1	1	
Heptyl Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Heptyl Alcohol (Heptanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Heptylene (Heptene)	1	1	1	1	1	1	1	1	1	1	1	1	
Hexachloroacetone	1	1	1	1	1	1	1	1	1	1	1	1	
Hexachlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Hexachlorobutadiene	1	1	1	1	2	2	2	2	1	1	1	1	6
Hexachlorobutene	1	1	1	1	1	1	1	1	1	1	1	1	
Hexachlorocyclohexane	1	1	1	1	1	1	1	1	1	1	1	1	
Hexachloroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Hexachloroprene	1	1	1	1	1	1	2	2	1	1	1	1	
Hexadecanoic Acid (Palmitic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Hexadecanol	1	1	1	1	1	1	1	1	1	1	1	1	
Hexaethyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Hexaethyl Tetraphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexafluoro Isopropanol	1	1	1	1	1	1	2	2	1	1	1	1	
Hexafluoro Propylene Epoxide	1	1	1	1	1	1	1	1	1	1	1	1	
Hexafluoroethane (Freon 116)	2	2	2	2	2	2	2	2	2	2	2	2	11
Hexafluoroxylene	1	1	1	1	1	1	1	1	1	1	1	1	
Hexalacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Hexamethyldisilizane (HMDS)	1	1	1	1	2	4	4	4	1	2	1	2	
Hexamethylene (Cyclohexane)	1	1	1	1	1	1	1	1	1	1	1	1	
Hexamethylene Diammonium Adipate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexamethylenediamine (Hexandiamine)	2	2	2	2	2	4	4	4	2	2	2	2	15
Hexamethylenetetramine (Hexamine, Urotropin)	2	2	2	2	2	4	4	4	2	2	2	2	15
Hexane	1	1	1	1	1	1	1	1	1	1	1	1	
n-Hexane	1	1	1	1	1	1	1	1	1	1	1	1	
n-Hexene-1	1	1	1	1	1	1	1	1	1	1	1	1	
Hexanitrodiphenylamine (Hexyl)	2	3	2	3	2	4	4	4	2	2	2	2	15
Hexanoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Hexone	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Alcohol (Hexanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Borate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Hexyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Chloronaphthalene	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Naphthalene	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Propionate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Resorcin	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Hexyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Hexylene (Hexene)	1	1	1	1	1	1	1	1	1	1	1	1	
Hexylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
High Viscosity Lubricant H2	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
High Viscosity Lubricant U4	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Hi-Lo MS No. 1	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Houghto-Safe 271 (Water + Glycol)	1	1	1	1	1	2 - 4	4	4	1	1	1	1	10
Houghto-Safe 620 (Water + Glycol)	1	1	1	1	1	2 - 4	4	4	1	1	1	1	10
Hydraulic Oil (Petroleum)	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrazine	1	1	1	1	1	1	2	2	2	2	2	2	
Hydrazine Dihydrochloride	1	1	1	1	1	1	1	1	2	2	1	1	
Hydrazine Hydrate	1	1	1	1	1	2	2	2	1	1	1	1	6
Hydriodic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Hydroabiethyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrobromic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrobromic Acid, 40%	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrocarbons (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrochloric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrochloric Acid, (Conc.)	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrochloric Acid, 37%	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrocyanic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrofluoric Acid, (Conc.)	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrofluoric Acid, Anhydrous	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrofluosilicic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Hydrogen	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrogen Bromide	1	1	1	1	1	1	1	1	2	2	1	1	
Hydrogen Chloride, Gas	1	1	1	1	1	1	1	1	2	2	1	1	
Hydrogen Cyanide	1	1	1	1	1	1	1	1	2	2	1	1	
Hydrogen Fluoride	1	1	1	1	1	1	1	1	2	2	1	1	
Hydrogen Iodide	1	1	1	1	1	1	1	1	2	2	1	1	
Hydrogen Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrogen Selenide	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrogen Sulfide, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrogen Sulfide, Wet	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrolube (Water + Glycol)	1	1	1	1	1	2 - 4	4	4	1	1	1	1	10
Hydroquinol	1	1	1	1	1	1	1	1	1	2	1	2	
Hydroquinone	1	1	1	1	1	1	1	1	1	2	1	2	
Hydroxyacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Hydroxybenzoic Acid (Salicylic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Hydroxycitronellal	1	1	1	1	1	1	1	1	1	1	1	1	
Hydnye	1	1	1	1	1	1	1	1	1	1	1	1	

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Hyjet	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Hyjet S 4	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Hyjet W	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Hypochlorous Acid	2	2	2	2	1	1	1	1	2	2	1	1	15, 17
Indole	1	1	1	1	1	1	1	1	1	1	1	1	
Indophenole	1	1	1	1	2	3	4	4	1	1	1	1	6
Industron FF44	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Industron FF48	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Industron FF53	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Industron FF80	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Insulin	1	1	1	1	1	1	1	1	1	1	1	1	
Iodic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Iodine	1	1	1	1	1	1	1	1	1	1	1	1	
Iodine Pentafluoride	2	2	2	2	2	2	2	2	2	2	2	2	12
Iodobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Iodobutane	1	1	1	1	1	1	1	1	1	1	1	1	
Iodoethane	1	1	1	1	1	1	1	1	1	1	1	1	
Iodoform	1	1	1	1	1	1	1	1	1	1	1	1	
Iodomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Iodopropane	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Acetate (Isopentyl Acetate)	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Alcohol (Isopentyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Butyrate (Isopentyl Butyrate)	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Carbinol (Isopentyl Carbinol)	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Chloride (Isopentyl Chloride)	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Ether (Isopentyl Ether)	1	1	1	1	1	1	1	1	1	1	1	1	
Isoamyl Valerate (Isopentyl Valerate)	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutane	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Alcohol (Isobutanol, Isopropyl Carbinol)	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Methyl Ketone (Isopropyl Acetone)	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl-n-Butyrate	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Paraben	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutylene (Isobutene)	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
Isobutyraldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Isobutyric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Isochinoline	1	1	1	1	1	1	1	1	1	1	1	1	
Isocrotyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Isocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Isodecane	1	1	1	1	1	1	1	1	1	1	1	1	
Isodecanol	1	1	1	1	1	1	1	1	1	1	1	1	
Isodihexyl	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<200°C 300°F<T<428°F	
Isododecane	1	1	1	1	1	1	1	1	1	1	1	1	
Isoheptane	1	1	1	1	1	1	1	1	1	1	1	1	
Isohexane	1	1	1	1	1	1	1	1	1	1	1	1	
Isooctane	1	1	1	1	1	1	1	1	1	1	1	1	
Isopentane	1	1	1	1	1	1	1	1	1	1	1	1	
Isophorone	1	1	1	1	1	1	1	1	1	1	1	1	
Isophthalic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Isoprene (Methyl Butadiene)	1	1	1	1	4	4	4	4	1	1	1	1	6
Isopropanol	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Acetone (Isobutyl Methyl Ketone)	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Isopropyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Formate	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Isopropyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Isovaleric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Jet Fuel JP3 (MIL-J-5624)	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP4 (MIL-J-5624)	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP5 (MIL-J-5624)	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP6 (MIL-J-25656)	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP8	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP9	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP10	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JP11	1	1	1	1	1	1	1	2	1	1	1	1	
Jet Fuel JPX (MIL-F-25604)	1	1	1	1	1	1	1	2	1	1	1	1	
Kel-F Fluids	3	3	3	3	3	3	3	3	3	3	3	3	13
Kerosene	1	1	1	1	1	1	1	1	1	1	1	1	
Keystone 87 HX, Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Lacquer Solvents	1	1	1	1	1	1	1	1	1	1	1	1	
Lacquers	1	1	1	1	1	1	1	1	1	1	1	1	
Lactams (Amino Acids)	1	1	1	1	2	4	4	4	1	1	1	1	8
Lactic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Lamp Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Lard, Animal Fat	1	1	1	1	1	1	1	1	1	1	1	1	
Lauric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Lauryl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Lavender Oil	1	1	1	1	1	1	1	1	1	1	1	1	
LB 135	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Lead (Molten)	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Arsenate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Azide	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Chromate	1	1	1	1	1	1	1	1	1	1	1	1	

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Lead Dioxide	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Linoleate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Naphthenate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Sulfamate	1	1	1	1	1	1	1	1	1	1	1	1	
Lead Tetraethyl	1	1	1	1	1	1	1	1	1	1	1	1	
Lehigh X1169	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Lehigh X1170	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Light Fuel	1	1	1	1	1	1	1	1	1	1	1	1	
Light Grease	1	1	1	1	1	1	1	1	1	1	1	1	
Light Petroleum	1	1	1	1	1	1	1	1	1	1	1	1	
Ligroin (Petroleum Ether, Benzene)	1	1	1	1	1	1	1	1	1	1	1	1	
Lime Bleach	1	1	1	1	1	1	1	1	2	2	1	1	
Lime Slurry	1	1	1	1	1	1	1	1	2	2	1	1	
Lindol (Hydraulic Fluid, Phosphate Ester)	1	1	1	1	1	1	1	1	1	1	1	1	
Linoleic Acid (Linolenic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Linseed Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Liquified Natural Gas (LNG)	1	1	1	1	1	1	1	1	1	1	1	1	
Liquified Petroleum Gas (LPG)	1	1	1	1	1	1	1	1	1	1	1	1	
Liquimoly	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Bromide (Brine)	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Citrate	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Hypochlorite	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Perchlorate	2	2	2	2	2	2	2	2	1	1	1	1	16
Lithium Salicylate	1	1	1	1	1	1	1	1	1	1	1	1	
Lithium Triflate	1	1	1	1	1	1	1	1	1	1	1	1	
Lithopone	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils (Crude & Refined)	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, Diester	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, Petroleum	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, SAE 10	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, SAE 20	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, SAE 30	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, SAE 40	1	1	1	1	1	1	1	1	1	1	1	1	
Lubricating Oils, SAE 50	1	1	1	1	1	1	1	1	1	1	1	1	
Lucinite	1	1	1	1	1	1	1	1	1	1	1	1	
Lye	1	1	1	1	1	1	1	1	1	1	1	1	
Magnesium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Magnesium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Magnesium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Magnesium Salts	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517			Cream 584, 585, SD585	
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<200°C 300°F<T<428°F	Notes	
Magnesium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Magnesium Sulfite	1	1	1	1	1	1	1	1	1	1	1	1		
Magnesium Trisilicate	1	1	1	1	1	1	1	1	1	1	1	1		
Malathion	1	1	1	1	1	1	1	1	1	1	1	1		
Maleic Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Maleic Anhydride	1	1	1	1	1	1	1	1	2	2	1	1		
Maleic Hydrazide	1	1	1	1	1	1	1	1	1	1	1	1		
Malic Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Mandelic Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Acetate	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Carbonate	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Chloride	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Dioxide	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Gluconate	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Hypophosphite	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Linoleate	1	1	1	1	1	1	1	1	1	1	1	1		
Manganese Naphthenate	1	1	1	1	1	1	1	1	1	1	1	1		
Manganous Phosphate	1	1	1	1	1	1	1	1	1	1	1	1		
Manganous Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
MDI (4, 4-Diisocyanate-Diphenylmethane)	1	1	1	1	1	1	1	1	1	1	1	1		
Mercaptans (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1		
Mercaptoacetic Acid (Thioglycolic Acid)	1	1	1	1	1	1	1	1	1	1	1	1		
Mercaptobenzothiazole (MBT)	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Acetate	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Bromide	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Chloride	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Cyanide	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Iodide	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Nitrate	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Mercuric Sulfite	1	1	1	1	1	1	1	1	1	1	1	1		
Mercurous Nitrate	1	1	1	1	1	1	1	1	1	1	1	1		
Mercury	1	1	1	1	1	1	1	1	1	1	1	1		
Mercury Chloride	1	1	1	1	1	1	1	1	1	1	1	1		
Mercury Fulminate	1	1	1	1	1	1	1	1	1	1	1	1		
Mercury Salts	1	1	1	1	1	1	1	1	1	1	1	1		
Mercury Vapor	1	1	1	1	1	1	1	1	1	1	1	1		
Mesityl Oxide	1	1	1	1	1	1	1	1	1	1	1	1		
Metacresol	1	1	1	1	1	1	1	1	1	1	1	1		
Metanilic Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Metanitroaniline	1	1	1	1	1	1	1	1	1	1	1	1		
Metatoluidine	1	1	1	1	1	1	1	1	1	1	1	1		
Methacrylic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17	
Methacrylic Acid Methyl Ester	1	1	1	1	1	1	1	1	2	2	1	1	17	
Methaldehyde	1	1	1	1	1	1	2	3	2	3	1	1		
Methallyl Chloride	1	1	1	1	1	1	1	1	2	2	1	1		
Methane	1	1	1	1	1	1	1	1	1	1	1	1		
Methane Thiol (Methyl Mercaptan)	1	1	1	1	1	1	1	1	1	1	1	1		
Methanol (Methyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1		
Methoxychlor	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1		

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Methyl Acetoacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Acetophenone (Melilot)	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Acrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Acrylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Alcohol (Methanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Amine (MMA, Monomethyl Amine)	1	1	1	1	2	4	4	4	1	2	1	2	8
Methyl Amyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Amyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Amyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Amyl Ketone (Methyl Pentyl Ketone)	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Anthranilate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Blue	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Butadiene (Isoprene)	1	1	1	1	4	4	4	4	1	1	1	1	6
Methyl Butyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Butyrate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Butyrate Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Cellosolve	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Cellulose	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Chinoline	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Chloroacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Chlorocarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Chloroformate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Chlorosilane	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Cyanide (Acetonitrile)	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Cyclohexane	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Cyclohexanone	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Cyclopentane	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Dichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Ethyl Ketone (MEK)	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Ethyl Ketone Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Ethyl Oleate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Formate	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Glycerin	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Glycerol	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Heptyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Hexyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Isoamyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Isoamyl Ketone (MIAK)	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Isobutyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Methyl Isobutyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	



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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517			Cream 584, 585, SD585	
Media	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<200°C 300°F<T<428°F	Notes	
Methyl Isobutyl Ketone (MIBK)	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isocyanate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isopropyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isopropyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isopropyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isopropyl Ketone (MIAK)	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isovalerate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Isovaleric Acid Ester	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Lactate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Mercaptan (Methane Thiol)	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	12	
Methyl Naphthalene	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Naphthyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Nitrite	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Nonyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Oleate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Orange	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Oxalate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Paraben	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Phenol (Cresol)	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Phenyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Phenyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Propyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Propyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Propyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Pyridine	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Pyrrolidine	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Pyrrolidone	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Salicylate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Silicate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Stearate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Sulfuric Acid	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Tertiary Butyl Ether (MTBE)	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Trichloride	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Valerate	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Vinyl Ether	1	1	1	1	1	1	1	1	1	1	1	1		
Methyl Violet (Pentamethylparafuchsine)	1	1	1	1	1	1	1	1	1	1	1	1		
Methylal	1	1	1	1	1	1	1	1	1	1	1	1		
Methylene Blue (Tetramethylioninchloride)	1	1	1	1	1	1	1	1	1	1	1	1		
Methylene Bromide	1	1	1	1	1	1	1	1	1	1	1	1		
Methylene Chloride (Dichloromethane)	1	1	1	1	1	1	1	1	1	1	1	1		
Methylene Dichloride	1	1	1	1	1	1	1	1	1	1	1	1		
Methylene Iodide	1	1	1	1	1	1	1	1	1	1	1	1		
Methylpentadiene	1	1	1	1	2	2	2	2	1	1	1	1	6	
Methylsulfoxide	1	1	1	1	1	1	1	1	1	1	1	1		
MIL-L-7808, Lubricant	1	1	1	1	1	1	1	1	1	1	1	1		
MIL-L-23699, Lubricant	1	1	1	1	1	1	1	1	1	1	1	1		
Mineral Oil	1	1	1	1	1	1	1	1	1	1	1	1		
MLO-7277	1	1	1	1	1	1	1	1	1	1	1	1		

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MLO-7557	1	1	1	1	1	1	1	1	1	1	1	1	
MLO-8200	1	1	1	1	1	1	1	1	1	1	1	1	
MLO-8515	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil 24DTE	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Delvac 1100	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Delvac 1110	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Delvac 1120	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Delvac 1130	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil HF	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Nivac 20	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Nivac 30	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Oil SAE 20	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Therm 600	1	1	1	1	1	1	1	1	1	1	1	1	
Mobil Velocite C	1	1	1	1	1	1	1	1	1	1	1	1	
Mobilgas WA200 ATF	1	1	1	1	1	1	1	1	1	1	1	1	
Mobilux	1	1	1	1	1	1	1	1	1	1	1	1	
Molybdenum Disulfide, Grease	1	1	1	1	1	1	1	1	1	1	1	1	
Molybdenum Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Molybdenum Trioxide	1	1	1	1	1	1	1	1	1	1	1	1	
Molybdic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Monobromo Toluene	1	1	1	1	1	1	1	1	1	1	1	1	
Monobromobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Monobutyl Paracresol	1	1	1	1	1	1	1	1	1	1	1	1	
Monochloro Butene	1	1	1	1	1	1	1	1	1	1	1	1	
Monochloro Hydrin	1	1	1	1	1	1	1	1	1	1	1	1	
Monochloro Toluene	1	1	1	1	1	1	1	1	1	1	1	1	
Monochloroacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Monochlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Monoethanol Amine (MEA)	1	1	1	1	2	4	4	4	1	2	1	2	8
Monoethyl Amine (Ethyl Amine)	1	1	1	1	2	4	4	4	1	2	1	2	8
Monoethyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Monoisopropyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Monomethyl Amine (MMA, Methyl Amine)	1	1	1	1	2	4	4	4	1	2	1	2	8
Monomethyl Aniline	1	1	1	1	1	1	1	1	1	1	1	1	
Monomethyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Monomethyl Hydrazine (MMH)	2	2	2	2	1	1	1	1	2	2	2	2	
Mononitrotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Mononitrotoluene (40%) + Dinitrotoluene (60%)	1	1	1	1	1	1	1	1	1	1	1	1	
Monopropyl Amine (Propyl Amine)	1	1	1	1	2	4	4	4	1	2	1	2	8
Monovinyl Acetylene	1	1	1	1	1	1	1	1	1	1	1	1	
Mopar Brake Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Morpholine	1	1	1	1	1	1	1	1	1	1	1	1	
Mustard Gas	1	1	1	1	1	1	1	1	1	1	1	1	
Myricyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Myristic Acid (Tetradecanic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Myristyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Naphtha	1	1	1	1	1	1	1	1	1	1	1	1	
Naphthalene	1	1	1	1	1	1	1	1	1	1	1	1	



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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Naphthalene Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Naphthalene Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Naphthalenic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Naphthalonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Naphthenic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Naphthylamine (Aminonaphthaline)	1	1	1	1	2	4	4	4	1	2	1	2	8
Natural Gas	1	1	1	1	1	1	1	1	1	1	1	1	
Neatsfoot Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Neon	1	1	1	1	1	1	1	1	1	1	1	1	
Neville Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Ammonium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Plating Solution	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	2
Nicotinamide	1	1	1	1	1	1	1	1	1	1	1	1	
Nicotinamide Hydrochloride	1	1	1	1	1	1	1	1	1	1	1	1	
Nicotine	1	1	1	1	1	1	1	1	1	1	1	1	
Nicotine Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Niter Cake	1	1	1	1	1	1	1	1	1	1	1	1	
Nitric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Nitric Acid, Red Fuming, > 85%	2	2	2	2	3	3	4	4	2	2	1	2	16, 17
Nitric Acid, White Fuming, > 97,5%	2	2	2	2	3	3	4	4	2	2	1	2	16, 17
Nitroaniline	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrobenzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrobutane	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrocellulose	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrochlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrochloroform	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrodiethylaniline	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrodiphenyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Nitroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrofluorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrogen	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrogen Oxides	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrogen Peroxide	2	2	2	2	2	2	2	2	2	2	1	1	16
Nitrogen Tetroxide	3	4	3	4	3	3	3	3	2	2	1	1	16
Nitrogen Trifluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Nitroglycerine	1	1	1	1	1	1	1	1	1	1	1	1	
Nitroglycerol	1	1	1	1	1	1	1	1	1	1	1	1	
Nitroisopropylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Nitromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrophenol	1	1	1	1	1	1	1	1	1	1	1	1	
Nitropropane	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrosyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrosylsulfuric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrothiophene	1	1	1	1	1	1	1	1	1	1	1	1	

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Nitrotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Nitrous Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Nitrous Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Nonanal	1	1	1	1	1	1	2	3	2	3	1	1	
Nonane	1	1	1	1	1	1	1	1	1	1	1	1	
Nonene	1	1	1	1	1	1	1	1	1	1	1	1	
Nonyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Nonyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Nonyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Nonyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Octachlorotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Octadecane	1	1	1	1	1	1	1	1	1	1	1	1	
Octadecanol	1	1	1	1	1	1	1	1	1	1	1	1	
Octafluorocyclobutane	2	2	2	2	2	2	2	2	2	2	2	2	11
Octanal	1	1	1	1	1	1	2	3	2	3	1	1	
Octane	1	1	1	1	1	1	1	1	1	1	1	1	
Octanone	1	1	1	1	1	1	1	1	1	1	1	1	
Octene	1	1	1	1	1	1	1	1	1	1	1	1	
Octyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Octyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Octyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Octyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Octyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Octyl Phthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Olefin (Olefine)	1	1	1	1	1	1	1	1	1	1	1	1	
Oleic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Oleum	1	1	1	1	1	1	1	1	4	4	1	1	
Oleyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Olive Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Oronite 8200	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Oronite 8515	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Orthochloroaniline	1	1	1	1	1	1	1	1	1	1	1	1	
Orthochloroethylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Orthochlorophenol	1	1	1	1	1	1	1	1	1	1	1	1	
Orthocresol	1	1	1	1	1	1	1	1	1	1	1	1	
Orthodichlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Orthonitrochlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Orthonitrotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Orthophosphoric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
OS45, Type III (Silicate Ester Based)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
OS45, Type IV	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
OS70	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Oxalic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Oxygen, Gas	1	3	1	3	1	2	3	3	1	1	1	1	16
Oxygen, Liquid	4*	4*	4*	4*	4*	4*	4*	4*	2	2	2	2	16
Ozone	2	2	2	2	2	2	2	2	1	1	1	1	16
Paint Thinner, Duco	1	1	1	1	1	1	1	1	1	1	1	1	
Palm Oil	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510			Black 526, 605, 600, SD625			Black 615 (High Temperature)			White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Palmitic Acid (Hexadecanoic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	1	
Palmitine	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paraaminobenzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paraaminosalicylic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Parabromobenzylphenyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	1	
Parachlorophenol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paracresol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paracymene	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paradichlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paraffin	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paraformaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	1	
Paraformamide	1	1	1	1	3	4	4	4	1	1	1	1	1	8
Paraketone	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paraldehyde	1	1	1	1	1	1	2	3	2	3	1	1	1	6
Paranitroaniline	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paranitrobenzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paranitrophenol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Parathion	1	1	1	1	1	1	1	1	1	1	1	1	1	
Paratoluene Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Parker O-Lube	1	1	1	1	1	1	1	1	1	1	1	1	1	
Peanut Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	
Penicillin	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentachloroethane	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentachlorophenol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentadecanol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentaerythrite	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentaerythritol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentaerythritol Tetranitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentamethylparafuchsine (Methyl Violet)	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentane	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentane Diol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentane Thiol	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentanol (Amyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentanone (Diethyl Ketone)	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentene (Amylene)	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentoxone	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pentyl Pentanoate	1	1	1	1	1	1	1	1	1	1	1	1	1	
Peracetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Peralgonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	
Perchloric Acid	2	2	2	2	1	1	1	1	2	2	1	1	1	16, 17
Perchloroethylene	1	1	1	1	1	1	1	1	1	1	1	1	1	
Perester	1	1	1	1	1	1	1	1	1	1	1	1	1	
Perfluoropropane	2	2	2	2	2	2	2	2	2	2	2	2	2	13
Perfluorotriethylamine	1	1	1	1	2	4	4	4	1	2	1	2	8	8
Permanganic Acid	2	2	2	2	2	2	2	2	2	2	1	1	1	16, 17
Persulfuric Acid	1	1	1	1	1	1	1	1	2	2	1	1	1	17
Petro Oil, Crude	1	1	1	1	1	1	2	2	1	1	1	1	1	7
Petrol Ether	1	1	1	1	1	1	1	1	1	1	1	1	1	
Petrolatum	1	1	1	1	1	1	1	1	1	1	1	1	1	
Petrolatum Ether	1	1	1	1	1	1	1	1	1	1	1	1	1	
Petroleum	1	1	1	1	1	1	1	1	1	1	1	1	1	

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Petroleum Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Petroleum Gas (Liquid)	1	1	1	1	1	1	1	1	1	1	1	1	
Petroleum Oil (Nature)	1	1	1	1	1	1	1	1	1	1	1	1	
Phenanthrene	1	1	1	1	1	1	1	1	1	1	1	1	
Phenetidine	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol Aldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Phenol Ether (Phenetol)	1	1	1	1	1	1	1	1	1	1	1	1	
Phenolic Sulfonate	1	1	1	1	1	1	1	1	1	1	1	1	
Phenolsulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Phenoxy Ethanol (Phenyl Glycol)	1	1	1	1	1	1	1	1	1	1	1	1	
Phenoxy Resins	1	1	1	1	1	1	1	1	1	1	1	1	
Phenoxyacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Acetaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	6
Phenyl Acetamide	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Acetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Acrylic Acid (Cinnamic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Ethyl Alcohol (Phenyl Ethanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Ethyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Ethyl Malonic Ester	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Glycerine	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Glycine	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Glycol (Phenoxy Ethanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Hydrazine	1	1	1	1	2	2	2	2	1	1	1	1	6
Phenyl Methyl Ketone	1	1	1	1	1	1	1	1	1	1	1	1	
Phenyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Phenylene Diamine	1	1	1	1	2	4	4	4	1	2	1	2	8
Phenylmercuric Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Phorone	1	1	1	1	1	1	1	1	1	1	1	1	
Phosgene (Carbonyl Chloride)	1	1	1	1	1	1	1	1	1	1	1	1	
Phosphine	1	1	1	1	1	1	1	1	1	1	1	1	
Phosphoric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Phosphoric Acid, 3 Molar	1	1	1	1	1	1	1	1	1	1	1	1	
Phosphorus (Molten)	1	1	1	1	1	1	1	1	1	1	1	1	
Phosphorus Oxychloride	1	1	1	1	1	1	1	1	1	1	1	1	
Phosphorus Pentafluoride	1	1	1	1	1	1	1	1	1	1	1	1	13
Phosphorus Trichloride	1	1	1	1	1	1	1	1	1	1	1	1	13
Phosphorus Trichloride Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Phthalic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Phthalic Anhydride	1	1	1	1	1	1	1	1	2	2	1	1	
Phthalic Ester	1	1	1	1	1	1	1	1	1	1	1	1	
Phthalic Terephthalic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Pickling Solution	1	1	1	1	1	1	1	1	1	1	1	1	
Picric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Pine Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Pine Tar	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Pinene	1	1	1	1	1	1	1	1	1	1	1	1	
Piperazine	1	1	1	1	1	1	2	2	1	1	1	1	6
Piperidine	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Chrome	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Cobalt	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Copper	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Gold	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Indium	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Iron	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Lead	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Nickel	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Silver	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Tin	1	1	1	1	1	1	1	1	1	1	1	1	
Plating Solution, Zinc	1	1	1	1	1	1	1	1	1	1	1	1	
Polybutadiene	1	1	1	1	1	1	1	1	1	1	1	1	
Polyester Monomer	1	1	1	1	1	1	1	1	1	1	1	1	
Polyethylene	1	1	1	1	1	1	1	1	1	1	1	1	
Polyethylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
Polyethylene Terephthalate	1	1	1	1	1	1	1	1	1	1	1	1	
Polyglycerol	1	1	1	1	1	1	1	1	1	1	1	1	
Polyglycol (Gen.)	1	1	1	1	1	1	1	1	1	1	1	1	
Polyisobutylene	1	1	1	1	1	1	1	1	1	1	1	1	
Polyisoprene	1	1	1	1	1	1	1	1	1	1	1	1	
Polymethyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Polypropylene	1	1	1	1	1	1	1	1	1	1	1	1	
Polypropylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
Polystyrene	1	1	1	1	1	1	1	1	1	1	1	1	
Polyvinyl Acetate Emulsion	1	1	1	1	1	1	1	1	1	1	1	1	
Polyvinyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Polyvinyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Polyvinylidene Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium (Molten)	4	4	4	4	4	4	4	4	4	4	4	4	
Potassium Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Acid Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Alum	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Aluminum Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Antimonate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bichromate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bifluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bisulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bisulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bitartrate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Chromate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Citrate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Cupro Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	

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	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Potassium Cyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Dichromate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Diphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Ferri-II-Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Ferri-III-Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Glucocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Hypochlorite	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Iodate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Metabisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Metasilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Monochromate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Perchlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Perfluoroacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Permanganate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Persulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Phosphate (Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Phosphate (Alkaline)	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Phosphate (Dibasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Phosphate (Tribasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Pyrosulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Rhodanide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Silicate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Sodium Tartrate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Stannate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Sulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Tartrate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Thiocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Thiosulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Triphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Prestone Antifreeze	1	1	1	1	1	1	1	1	1	1	1	1	
Primary Ammonium Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
PRL-High Temperature Hydraulic Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Producer Gas	1	1	1	1	1	1	1	1	1	1	1	1	
Propane	1	1	1	1	1	1	1	1	1	1	1	1	
Propane Diol (Propylene Glycol)	1	1	1	1	1	1	1	1	1	1	1	1	
Propane Triol (Glycerin)	1	1	1	1	1	1	1	1	1	1	1	1	

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	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Propanol (Propyl Alcohol)	1	1	1	1	1	1	1	1	1	1	1	1	
Propionaldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Propionitrile	1	1	1	1	1	1	1	1	1	1	1	1	
Propionic Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Propyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Acetone	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Acrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Alcohol (Propanol)	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Amine (Monopropyl Amine)	1	1	1	1	2	4	4	4	1	2	1	2	8
Propyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Benzoic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Carbitol	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Cellosolve	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Ether	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Lactate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Methacrylate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Oleate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Paraben	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Phenol	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Propionate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Propyl Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene (Propene)	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Chlorohydrin	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Dibromide	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Dichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Glycol (Propane Diol)	1	1	1	1	1	1	1	1	1	1	1	1	
Propylene Oxide	1	1	1	1	2	2	2	2	1	2	1	2	1
Pydraul 230C	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 312C	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 540C	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 10E	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 30E	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 50E	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 65E	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 90E	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 115E	2	2	2	2	1	1	1	1	2	2	2	2	
Pydraul 29ELT	2	2	2	2	1	1	1	1	2	2	2	2	
Pyranol Transformer Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Pyridine	1	1	1	1	1	1	1	1	1	1	1	1	
Pyridine Oil	1	1	1	1	1	1	1	1	1	1	1	1	

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Pyridine Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Pyridine Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrigallic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrogallol	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrogard 42	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Pyrogard 43	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Pyrogard 53	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Pyrogard 55	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Pyrogard C (Water + Petroleum)	1	1	1	1	1	3	4	4	1	1	1	1	10
Pyrogard D (Water + Petroleum)	1	1	1	1	1	3	4	4	1	1	1	1	10
Pyroligneous Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrolube	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrosulfuric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrosulfuryl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	16
Pyrrole	1	1	1	1	1	1	1	1	1	1	1	1	
Pyrrolidine	1	1	1	1	1	1	1	1	1	1	1	1	
Pyruvic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Quinidine	1	1	1	1	1	1	1	1	1	1	1	1	
Quinine	1	1	1	1	1	1	1	1	1	1	1	1	
Quinine Bisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Quinine Hydrochloride	1	1	1	1	1	1	1	1	1	1	1	1	
Quinine Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Quinine Tartrate	1	1	1	1	1	1	1	1	1	1	1	1	
Quinizarine	1	1	1	1	1	1	1	1	1	1	1	1	
Quinoline	1	1	1	1	1	1	1	1	1	1	1	1	
Quinone	1	1	1	1	1	1	1	1	1	1	1	1	
Racemic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Radiation (Gamma)	2	2	2	2	2	2	2	2	2	2	2	2	
Rapeseed Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Red Line 100 Oil	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Red Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Resin	1	1	1	1	1	1	1	1	1	1	1	1	
Resorcinol	1	1	1	1	1	1	1	1	1	1	1	1	
Rhodium	1	1	1	1	1	1	1	1	1	1	1	1	
Rhodochrosite	1	1	1	1	1	1	1	1	1	1	1	1	
Riboflavin	1	1	1	1	1	1	1	1	1	1	1	1	
Ricinoleic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
RJ-1 (MIL-F-25558)	1	1	1	1	1	1	1	1	1	1	1	1	
Rosin	1	1	1	1	1	1	1	1	1	1	1	1	
RP-1 (MIL-R-25576)	1	1	1	1	1	1	1	1	1	1	1	1	
Sal Ammoniac	1	1	1	1	1	1	1	1	1	1	1	1	
Salicylic Acid (Hydroxybenzoic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Salt Water	1	1	1	1	1	3	4	4	2	2	1	1	10
Santosafe 300	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Sea Salt, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Sea Water	1	1	1	1	1	3	4	4	2	2	1	1	10
Sebacic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Secondary Butyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Selenic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Selenous Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Sewage	1	1	1	1	1	3	4	4	2	2	1	1	10
Shell 3XF Mine Fluid	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Alvania Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Carnea 19	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Carnea 29	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Diala	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Iirus 905	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Tellus 27 (Petroleum Based)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell Tellus 33	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shell UMF (5% Aromatic)	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Shellac	1	1	1	1	1	1	1	1	1	1	1	1	
Silane	1	1	1	1	1	1	1	1	1	1	1	1	
Silicate Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Silicate Esters	1	1	1	1	1	1	1	1	1	1	1	1	
Silicon	1	1	1	1	1	1	1	1	1	1	1	1	
Silicon Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Silicon Tetrachloride	1	1	1	1	1	1	1	1	1	1	1	1	
Silicon Tetrafluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Silicone Greases	1	1	1	1	1	1	1	1	1	1	1	1	
Silicone Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Silver Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Silver Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Silver Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Silver Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Silver Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sinclair Opaline CX-EP Lube	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Skydrol 500	1	1	1	1	1	1	1	1	1	1	1	1	
Skydrol 7000	1	1	1	1	1	1	1	1	1	1	1	1	
Soap Solutions	1	1	1	1	1	1	1	1	1	1	1	1	
Socony Mobil, Type A	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Socony Vacuum AMV AC781, Grease	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Socony Vacuum PD959B	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Soda Alum	1	1	1	1	1	1	1	1	1	1	1	1	
Soda Ash	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium (Molten)	4	4	4	4	4	4	4	4	4	4	4	4	
Sodium Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Acid Bisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Acid Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Acid Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Aluminate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Aluminate Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Anthraquinone Disulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Antimonate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Arsenate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Arsenite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bichromate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bifluoride	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526*, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Sodium Bisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bisulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bisulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bitartrate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Borate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bromate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Chlorite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Chloroacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Chromate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Citrate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Cyanamide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Cyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Diacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Diphenyl Sulfonate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Diphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Disilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Ethylate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Ferricyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Ferrocyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Fluorosilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Glucocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Glutamate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hydride	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hydrogen Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hydrosulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hydrosulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hypochlorite	1	1	1	1	1	1	1	1	1	1	1	1	16
Sodium Hypophosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hypophosphite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hyposulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hyposulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Lactate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Metaphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Metasilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Methylate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Monophosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Nitrite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Oleate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Orthosilicate	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Sodium Oxalate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Perborate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Percarbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Perchlorate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Peroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Persulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Phenolate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Phenoxide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Phosphate (Dibasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Phosphate (Monobasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Phosphate (Tribasic)	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Plumbite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Pyrophosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Resinate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Rhodanide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Salicylate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Sesquisilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Silicate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Silicofluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Stannate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Sulfate (Glaubers Salt)	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Sulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Sulfocyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Tartrate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Tetraborate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Tetraphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Tetrasulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Thioarsenate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Thiocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Thiosulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Trichloroacetate	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Triphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Solvasol 1	1	1	1	1	1	1	1	1	1	1	1	1	
Solvasol 2	1	1	1	1	1	1	1	1	1	1	1	1	
Solvasol 3	1	1	1	1	1	1	1	1	1	1	1	1	
Solvasol 73	1	1	1	1	1	1	1	1	1	1	1	1	
Solvasol 74	1	1	1	1	1	1	1	1	1	1	1	1	
Sorbitol	1	1	1	1	1	1	1	1	1	1	1	1	
Sour Crude Oil	1	1	1	1	1	1	2	2	1	1	1	1	7
Sour Natural Gas	1	1	1	1	1	1	2	2	1	1	1	1	7
Soybean Oil (Soyabean Oil)	1	1	1	1	1	1	1	1	1	1	1	1	
SR-6 Fuel	1	1	1	1	1	1	1	1	1	1	1	1	
SR-10 Fuel	1	1	1	1	1	1	1	1	1	1	1	1	
Standard Oil Multilube GX90-EP 1	1	1	1	1	1	1	1	1	1	1	1	1	
Stannic Ammonium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Stannic Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Stannic Tetrachloride	1	1	1	1	1	1	1	1	1	1	1	1	
Stannous Bisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Stannous Bromide	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
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Stannous Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Stannous Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Stannous Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Stauffer 7700	1	1	1	1	1	1	1	1	1	1	1	1	
Steam	1	1	1	1	N/A	3	4	4	1	2	1	2	10
Stearic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Stoddard Solvent	1	1	1	1	1	1	1	1	1	1	1	1	
Strontium Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Strontium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Strontium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Strontium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	
Strontium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Styrene Monomer	1	1	1	1	1	1	1	1	1	1	1	1	12
Succinic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Sucrose Solution (Sugar Solution, Syrup)	1	1	1	1	1	1	1	1	1	1	1	1	
Sugar Solution (Sucrose Solution, Syrup)	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfanic Acid (Sulfonic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfanilic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfanilic Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfanilimide	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfite Liquors	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfolane (Sulfone)	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfonated Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfonated Vegetable Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfonyl Chloride	2	2	2	2	2	2	2	2	2	2	2	2	13
Sulfur Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfur Dichloride	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfur Dioxide, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfur Dioxide, Pressurized	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfur Dioxide, Wet	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfur Hexafluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Sulfur Tetrafluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Sulfur Trioxide, Dry	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfur, Molten	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfuric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Sulfuric Acid (20% Oleum)	1	1	1	1	1	1	1	1	2	2	1	1	17
Sulfuric Acid, Fuming	1	1	1	1	1	1	1	1	2	2	1	1	17
Sulfuric Chlorohydrin (Chlorosulfonic Acid)	1	1	1	1	1	1	1	1	2	2	1	1	17
Sulfurous Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Sulfuryl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Sunoco 3661	1	1	1	1	1	1	1	1	1	1	1	1	
Sunoco SAE 10	1	1	1	1	1	1	1	1	1	1	1	1	
Sunsafe (Fire Resistant Fluid)	1	1	1	1	1	1	1	1	1	1	1	1	
Supershell Gasoline	1	1	1	1	1	1	1	1	1	1	1	1	
SUVA 32	2	2	2	2	2	2	2	2	2	2	2	2	11
SUVA 116	2	2	2	2	2	2	2	2	2	2	2	2	11
SUVA 123	3	3	3	3	3	3	3	3	3	3	3	3	11

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
SUVA 124	2	2	2	2	2	2	2	2	2	2	2	2	11
SUVA 134a	1	1	1	1	1	1	1	1	1	1	1	1	11
SUVA 152a	2	2	2	2	2	2	2	2	2	2	2	2	11
Swanfinch EP Lubricant	1	1	1	1	1	1	1	1	1	1	1	1	
Swanfinch Hypoid 90	1	1	1	1	1	1	1	1	1	1	1	1	
Syrup (Sucrose Solution)	1	1	1	1	1	1	1	1	1	1	1	1	
Tannic Acid (Tannin)	1	1	1	1	1	1	1	1	1	1	1	1	
Tar, Bituminous	1	1	1	1	1	1	1	1	1	1	1	1	
Tartaric Acid (Dioxysuccinic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Terephthalic Acid (PTA)	1	1	1	1	1	1	1	1	1	1	1	1	
Terpineol	1	1	1	1	1	1	1	1	1	1	1	1	
Terpinyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Tertiary Amyl Methyl Ether (TAME)	1	1	1	1	1	1	1	1	1	1	1	1	
Tertiary Butyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
p-Tertiary Butyl Catechol	1	1	1	1	1	1	1	1	1	1	1	1	
Tertiary Butyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Tertiary Methyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrabromoethane	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrabromomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrabutyl Titanate	1	1	1	1	1	1	1	1	1	1	1	1	
Tetracen	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrachloroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrachloroethylene	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrachloromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrachlorosilane	1	1	1	1	1	1	1	1	1	1	1	1	
Tetradecanic Acid (Myristic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Tetradecanol	1	1	1	1	1	1	1	1	1	1	1	1	
Tetraethyl Lead	1	1	1	1	1	1	1	1	1	1	1	1	
Tetraethyl Lead Blend	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrafluoroethane (Freon 134a)	2	2	2	2	2	2	2	2	2	2	2	2	11
Tetrafluoroethylene	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrafluoroethylene Epoxide	1	1	1	1	1	1	1	1	1	1	1	1	
Tetrafluoromethane (Freon 14)	2	2	2	2	2	2	2	2	2	2	2	2	11
Tetrahydrofuran (THF)	1	1	1	1	1	1	1	1	1	1	1	1	
Tetralin	1	1	1	1	1	1	1	1	1	1	1	1	
Tetralinitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Tetramethyldihydropyridine	1	1	1	1	1	1	1	1	1	1	1	1	
Tetramethylsilane	1	1	1	1	1	1	1	1	1	1	1	1	
Tetramethylthioninchloride (Methylene Blue)	1	1	1	1	1	1	1	1	1	1	1	1	
Tetraphenyl	1	1	1	1	1	1	1	1	1	1	1	1	
Tetraphosphogluconate	1	1	1	1	1	1	1	1	1	1	1	1	
Tetraphosphoric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Texaco 3450, Gear Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Texaco Capella A	1	1	1	1	1	1	1	1	1	1	1	1	
Texaco Capella AA	1	1	1	1	1	1	1	1	1	1	1	1	
Texaco Meropa 220 No. 3 (No Lead)	1	1	1	1	1	1	1	1	1	1	1	1	
Texaco Regal B	1	1	1	1	1	1	1	1	1	1	1	1	
Texaco Uni-Temp, Grease	1	1	1	1	1	1	1	1	1	1	1	1	
Texamatic 1561 Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Texamatic 3401 Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Texamatic 3525 Fluid	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	-20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	-30°C<T<149°C -22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Texamatic 3528 Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Texamatic A, Gear Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Texas 1500 Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Therminol 55	1	1	1	1	1	1	1	1	1	1	1	1	
Therminol 66	1	1	1	1	1	1	1	1	1	1	1	1	
Therminol FR	1	1	1	1	1	1	1	1	1	1	1	1	
Thio Acid Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Thioacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Thioamyl Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Thiodiacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Thioethanol	1	1	1	1	1	1	1	1	1	1	1	1	
Thiofuran	1	1	1	1	1	1	1	1	1	1	1	1	
Thioglycolic Acid (Mercaptoacetic Acid)	1	1	1	1	1	1	1	1	1	1	1	1	
Thiohydrothiophen	1	1	1	1	1	1	1	1	1	1	1	1	
Thiokol TP-90B	1	1	1	1	1	1	1	1	1	1	1	1	
Thiokol TP-95	1	1	1	1	1	1	1	1	1	1	1	1	
Thionaphthen	1	1	1	1	1	1	1	1	1	1	1	1	
Thionyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Thionyl Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Thiophene	1	1	1	1	1	1	1	1	1	1	1	1	
Thiophosphoryl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Thiourea	1	1	1	1	1	1	1	1	1	1	1	1	
Thorium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Tidewater Multigear 140, EP Lube	1	1	1	1	1	1	1	1	1	1	1	1	
Tidewater Oil, Beedol	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Ammonium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Bisulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Iodide	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Octoate	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Silicate	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Tin Tetrachloride	1	1	1	1	1	1	1	1	1	1	1	1	
Titanic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Titanium Dioxide	1	1	1	1	1	1	1	1	1	1	1	1	
Titanium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Titanium Tetrachloride	1	1	1	1	1	1	1	1	2	2	1	1	
Toluene	1	1	1	1	1	1	1	1	1	1	1	1	
Toluene Bisodium Sulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Toluene Diisocyanate (TDI)	1	1	1	1	1	1	1	1	1	1	1	1	
Toluene Sulfonyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Toluenemethyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Toluenesulfonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		Notes
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	
Toluidine (Aminotoluene)	1	1	1	1	1	1	1	1	1	1	1	1	
Toluol (Toluene)	1	1	1	1	1	1	1	1	1	1	1	1	
Toluquinone	1	1	1	1	1	1	1	1	1	1	1	1	
Tolyl Aldehyde	1	1	1	1	1	1	2	3	2	3	1	1	
Tolyl Arginine Methyl Ester	1	1	1	1	1	1	2	3	1	1	1	1	6
Transformer Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Transmission Fluid, Type A	1	1	1	1	1	1	1	1	1	1	1	1	
Triacetin	1	1	1	1	1	1	1	1	1	1	1	1	
Triaryl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Tribromoethane	1	1	1	1	1	1	1	1	1	1	1	1	
Tribromomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Tribromomethylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Tribromopropane	1	1	1	1	1	1	1	1	1	1	1	1	
Tributoxy Ethyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Tributyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Tributyl Citrate	1	1	1	1	1	1	1	1	1	1	1	1	
Tributyl Mercaptan	1	1	1	1	1	1	1	1	1	1	1	1	
Tributyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloroacetic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloroacetyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Trichlorobenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloroethane	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloroethanolamine	1	1	1	1	2	4	4	4	1	2	1	2	8
Trichloroethylene (Triad)	1	1	1	1	1	1	1	1	1	1	1	1	
Trichlorofluoromethane (Freon 11)	2	2	2	2	2	2	2	2	2	2	2	2	11
Trichloromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloromethylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloronitromethane	1	1	1	1	1	1	1	1	1	1	1	1	
Trichlorophenylsilane	1	1	1	1	1	1	1	1	1	1	1	1	
Trichloropropane	1	1	1	1	1	1	1	1	1	1	1	1	
Trichlorotrifluoroethane (Freon 113)	2	2	2	2	2	2	2	2	2	2	2	2	11
Tricresyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Triethanolamine (TEA)	1	1	1	1	2	4	4	4	1	2	1	2	8
Triethyl Aluminum	1	1	1	1	1	1	1	1	1	1	1	1	
Triethyl Amine	1	1	1	1	2	4	4	4	1	2	1	2	8
Triethyl Borane	1	1	1	1	1	1	1	1	1	1	1	1	
Triethyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Triethylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	
Triethylene Tetramine	1	1	1	1	2	4	4	4	1	2	1	2	8
Triethylpentane	1	1	1	1	1	1	1	1	1	1	1	1	
Trifluoroacetic Acid	2	2	2	2	2	2	2	2	2	2	2	2	13
Trifluorochloroethylene	2	2	2	2	2	2	2	2	2	2	2	2	13
Trifluoroethane	2	2	2	2	2	2	2	2	2	2	2	2	13
Trifluoromethane (Freon 23)	2	2	2	2	2	2	2	2	2	2	2	2	11
Trifluorotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Trifluorovinylchloride	1	1	1	1	1	1	1	1	1	1	1	1	
Triiodoethane	1	1	1	1	1	1	1	1	1	1	1	1	
Triiodomethane	1	1	1	1	1	1	1	1	1	1	1	1	
Triisocyanate	1	1	1	1	1	1	1	1	1	1	1	1	
Triisopropylbenzylchloride	1	1	1	1	1	1	1	1	1	1	1	1	
Trimethyl Amine (TMA)	1	1	1	1	2	4	4	4	1	2	1	2	8

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Trimethylbenzene	1	1	1	1	1	1	1	1	1	1	1	1	
Trimethylene Bromide	1	1	1	1	1	1	1	1	1	1	1	1	
Trimethylpentane	1	1	1	1	1	1	1	1	1	1	1	1	
Trinitrotoluene	1	1	1	1	1	1	1	1	1	1	1	1	
Trioctyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Triphenylphosphite	1	1	1	1	1	1	1	1	1	1	1	1	
Tripolyphosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Tripotassium Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Trisodium Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Tritium	1	1	1	1	1	1	1	1	1	1	1	1	
Tung Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Tungsten Hexafluoride	2	2	2	2	2	2	2	2	2	2	2	2	13
Tungstic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Turbine Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Turbine Oil No. 15 (MIL-L-7808A)	1	1	1	1	1	1	1	1	1	1	1	1	
Turbo Oil No. 35	1	1	1	1	1	1	1	1	1	1	1	1	
Turpentine	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube 50-HB-280X	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube J-4	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-135	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-285	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-300X	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-385	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-400X	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-625	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-1145	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-HB-55	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-HB-100	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-HB-260	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-HB-660	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube LB-HB-5100	1	1	1	1	1	1	1	1	1	1	1	1	
Ucon Hydrolube Lubricant LB-65	1	1	1	1	1	1	1	1	1	1	1	1	
Undecylenic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Undecyclic Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Univis 40 Hydraulic Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Univolt No. 35 (Mineral Oil)	1	1	1	1	1	1	1	1	1	1	1	1	
Unsymmetrical Dimethyl Hydrazine (UDMH)	2	2	2	2	2	2	2	2	2	2	2	2	
Uranium	1	1	1	1	1	1	1	1	1	1	1	1	
Uranium Hexafluoride	1	1	1	1	1	1	1	1	1	2	1	2	13
Uranium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Urea	1	1	1	1	1	1	1	2	1	1	1	1	
Urea Peroxide	1	1	1	1	1	1	1	2	1	1	1	1	
Uric Acid	1	1	1	1	1	1	1	1	1	1	1	1	
Urotropin (Hexamethylenetetramine, Hexamine)	2	2	2	2	2	4	4	4	2	2	2	2	15
Valeric Acid	1	1	1	1	1	1	1	1	2	2	1	1	17
Vanadium Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Vanadium Pentoxide	1	1	1	1	1	1	1	1	1	1	1	1	
Vanilla Extract	1	1	1	1	1	1	1	1	1	1	1	1	

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CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
	-30°C<T<149°C -22°F<T<300°F	149°C<T<230°C 300°F<T<446°F	20°C<T<149°C -4°F<T<300°F	149°C<T<260°C 300°F<T<500°F	-18°C<T<66°C 0°F<T<150°F	66°C<T<149°C 150°F<T<300°F	149°C<T<218°C 300°F<T<425°F	218°C<T<324°C 425°F<T<615°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	30°C<T<149°C 22°F<T<300°F	149°C<T<220°C 300°F<T<428°F	Notes
Varnish	1	1	1	1	1	1	1	1	1	1	1	1	
Vaseline	1	1	1	1	1	1	1	1	1	1	1	1	
Vegetable Oils	1	1	1	1	1	1	1	1	1	1	1	1	
Versilube F44	1	1	1	1	1	1	1	1	1	1	1	1	
Versilube F50	1	1	1	1	1	1	1	1	1	1	1	1	
Versilube F55	1	1	1	1	1	1	1	1	1	1	1	1	
Vinegar	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Benzene	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Benzoate	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Carbinol	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Fluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Vinyl Methyl Ether	1	1	1	1	3	3	4	4	1	1	1	1	6
Vinylidene Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Vinylpyridine	1	1	1	1	1	1	1	1	1	1	1	1	
Vitriol (White)	1	1	1	1	1	1	1	1	1	1	1	1	
VV-H-910	1	1	1	1	1	1	1	1	1	1	1	1	
Wagner 21B Brake Fluid	1	1	1	1	1	1	1	1	1	1	1	1	
Water	1	1	1	1	1	3	4	4	2	2	1	1	10
Wemco C	1	1	1	1	N/A	N/A	N/A	N/A	1	1	1	1	
Whiskey & Wines	1	1	1	1	1	1	1	1	2	2	1	1	
White Liquor	1	1	1	1	1	1	1	1	2	2	1	1	
White Oil	1	1	1	1	1	1	1	1	1	1	1	1	
White Pine Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Wolmar Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Wood Alcohol	1	1	1	1	1	1	1	1	1	1	1	1	
Wood Oil	1	1	1	1	1	1	1	1	1	1	1	1	
Wood Tar (Creosote)	1	1	1	1	1	1	1	1	1	1	1	1	
Worcestershire Sauce	1	1	1	1	1	1	1	1	1	1	1	1	
Xenon	1	1	1	1	1	1	1	1	1	1	1	1	
Xylene	1	1	1	1	1	1	1	1	1	1	1	1	
Xylidenes, Mixed	1	1	1	1	1	1	1	1	1	1	1	1	
Xylidine (Aminoxylene)	1	1	1	1	1	1	1	1	1	1	1	1	
Xylo	1	1	1	1	1	1	1	1	1	1	1	1	
Zeolites	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Acetate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Ammonium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Chloride	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Chromate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Diethyldithiocarbamate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Dihydrogen Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Fluorosilicate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Hydrosulfite	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Naphthenate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Oxide	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Phenolsulfonate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	



CHEMRAZ® compound:	Black 505, 504, 510		Black 526, 605, 600, SD625		Black 615 (High Temperature)				White 514, 517, SD517		Cream 584, 585, SD585		
Media	-30°C < T < 149°C -22°F < T < 300°F	149°C < T < 230°C 300°F < T < 446°F	-20°C < T < 149°C -4°F < T < 300°F	149°C < T < 260°C 300°F < T < 500°F	-18°C < T < 66°C 0°F < T < 150°F	66°C < T < 149°C 150°F < T < 300°F	149°C < T < 218°C 300°F < T < 425°F	218°C < T < 324°C 425°F < T < 615°F	-30°C < T < 149°C -22°F < T < 300°F	149°C < T < 220°C 300°F < T < 428°F	-30°C < T < 149°C -22°F < T < 300°F	149°C < T < 220°C 300°F < T < 428°F	Notes
Zinc Salts	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Silicofluoride	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Stearate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Sulfide	1	1	1	1	1	1	1	1	1	1	1	1	
Zirconium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	

NOTES

- Chemraz 505 and 605 are first choice; Chemraz 526 recommended if pressure and/or temperature change rapidly
- Chemraz 585 or 615 recommended above 38°C (100°F)
- Chemraz 585 or 615 recommended at mixed concentrations
- Chemraz 585 recommended
- Chemraz 605 or 615 recommended above 149°C (300°F)
- Chemraz 615 not recommended
- Chemraz 615 not recommended at elevated temperature if medium contains amines
- Chemraz 615 not recommended for amines, imines and amides
- Chemraz 615 not recommended for elevated temperature (over 200°C/392°F)
- Chemraz 615 not recommended for hot water and steam
- Some volume swell expected when exposed to Freon and SUVA refrigerants; should return to original size when taken away from Freon or SUVA; use with caution for dynamic seal applications
- If problems with explosive decompression can occur at high pressure, Chemraz 526 is highly recommended
- Some volume swell expected
- Some volume swell expected, Chemraz 585 recommended
- Some volume swell expected, Chemraz 615 not recommended
- Strong oxidizer, Chemraz 585 recommended
- For white Chemraz only; trace amount of reinforcing filler may be extracted by the fluid

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Acetaldehyde	4	4	2	3	3	3
Acetamide	2	3	1	1	1	1
Acetic Acid, Glacial	3	4	2	2	2	4
Acetic Anhydride	2	4	2	4	4	2
Acetone (Dimethylketone, Propanone)	4	4	1	4	4	4
Acetonitrile (Methyl Cyanide)	1	2	3	3	3	2
Acetophenone (Methyl Phenyl Ketone)	4	4	1	4	4	4
Acetyl Acetone	4	4	1	4	4	4
Acetyl Chloride	1	1	4	4	4	4
Acetylene	1	1	1	1	1	2
Acetylene Tetrabromide	1	1	1	4	4	2
Acrylic Acid	4	4	3	2	2	4
Acrylonitrile	2	3	4	4	4	4
Adipic Acid	2	2	2	1	1	3
Aero Lubriplate	1	1	4	1	1	1
Aerosafe 2300	3	4	1	1	3	3
Aerosafe 2300W	2	4	1	4	4	4
Aeroshell 17, Grease	1	1	4	1	1	2
Aeroshell 750	1	1	4	2	2	4
Aeroshell 1AC, Grease	1	1	4	1	1	2
Aeroshell 7A, Grease	1	1	4	2	1	2
Aerozene 50 (50% Hydrazine, 50% UDMH)	2	4	1	2	2	3
Air	1	1	1	1	1	1
Alkazene	2	2	4	4	3	4
Allyl Chloride	2	2	1	2	1	1
Aluminum Acetate	1	3	1	2	2	2
Aluminum Bromide	1	1	1	1	1	1
Aluminum Chloride	1	1	1	1	1	1
Aluminum Fluoride	1	1	1	1	1	1
Aluminum Hydroxide	1	2	2	2	2	3
Aluminum Nitrate	1	1	1	1	1	1
Aluminum Phosphate	1	1	1	1	1	1
Aluminum Salts	1	1	1	1	1	1
Aluminum Sulfate	1	1	1	1	1	1
Alums	1	1	1	1	1	1
Ambrex 33, Mobil	1	1	4	1	1	2
Ambrex 830, Mobil	1	1	3	1	1	2
Amines, Mixed (eg: Allyl, Ethyl, etc.)	2	4	2	4	4	2
Aminobenzoic Acid	1	2	2	4	4	4
Aminopyridine	3	4	2	4	4	4
Ammonia + Lithium Metal Solution	4	4	2	4	4	4
Ammonia Gas, Cold	1	4	1	1	1	1
Ammonia Gas, Hot	2	4	2	4	4	2
Ammonia, Anhydrous Liquid	3	4	1	2	2	1
Ammonium Carbonate	1	3	1	4	4	1
Ammonium Hydroxide (Conc.)	1	2	1	4	4	1
Ammonium Nitrate	1	3	1	1	1	1
Ammonium Nitrite	1	1	1	1	1	1
Ammonium Persulfate	1	3	1	4	4	4
Ammonium Phosphate	1	1	1	1	1	1
Ammonium Salts	1	3	1	1	1	1
Ammonium Sulfate	1	4	1	1	1	1
Ammonium Sulfide	1	4	1	1	1	1
Amyl Acetate	4	4	1	4	4	4

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Amyl Alcohol	1	2	1	2	2	2
Amyl Borate	1	1	4	1	1	1
Amyl Chloride	1	1	4	1	1	4
Amyl Chloronaphthalene	2	1	4	4	4	4
Amyl Naphthalene	2	1	4	4	4	4
AN-0-3 Grade M	1	1	4	1	1	2
AN-0-6	1	1	4	1	1	2
AN-0-366	1	1	4	1	1	2
AN-VV-0-366B Hydraulic	1	1	4	1	1	2
Anderol L-774 (Diester)	2	1	4	2	2	4
Anderol L-826 (Diester)	2	1	4	2	2	4
Anderol L-829 (Diester)	2	1	4	2	2	4
ANG-25 (Diester)	2	1	4	2	2	4
ANG-25 (Glyceralester)	2	1	1	2	2	2
Aniline	2	3	2	4	4	4
Aniline Dyes	1	2	2	4	4	2
Aniline Hydrochloride	1	2	3	4	4	4
Aniline Oils	2	3	2	4	4	4
Animal Fats	1	1	2	1	1	2
Animal Oils	1	1	2	1	1	2
Ansul Ether 161	1	4	3	3	3	4
Ansul Ether 181	1	4	3	3	3	4
Antimony Trioxide	1	1	1	1	1	1
Aqua Regia	3	2	3	4	3	4
Argon Gas	1	1	1	1	1	1
Arochlor 1248	1	1	2	3	3	4
Arochlor 1254	1	1	2	4	4	4
Arochlor 1260	1	1	2	1	1	1
Aromatic Fuels	2	1	4	2	2	4
Arsenic Acid	1	1	1	1	1	1
Arsenic Trichloride	4	4	4	1	1	1
Askarel Transformer Oil	1	1	4	2	2	4
ASTM Fuel A	3	1	4	1	1	2
ASTM Fuel B	4	1	4	1	1	4
ASTM Fuel C	4	1	4	2	2	4
ASTM Fuel D	4	1	4	2	2	4
ASTM Oil No. 1	1	1	4	1	1	1
ASTM Oil No. 2	2	1	4	1	1	3
ASTM Oil No. 3	3	1	4	1	1	4
ASTM Oil No. 4	2	1	4	2	2	4
ASTM Oil No. 5	1	1	4	1	1	2
ATL-857	1	1	4	2	2	4
Atlantic Dominion F	1	1	4	1	1	4
Atlantic Utro Gear-E	1	1	4	1	1	2
Aurex 903R, Mobil	1	1	4	1	1	2
Automatic Transmission Fluid	1	1	4	1	1	2
Automotive Brake Fluid	1	4	2	3	3	2
Barbol B	2	1	4	4	4	4
Barium Chloride	1	1	1	1	1	1
Barium Hydroxide	1	1	1	1	1	1
Barium Salts	1	1	1	1	1	1

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Barium Sulfate	1	1	1	1	1	1
Barium Sulfide	1	1	1	1	1	1
Bayol 35	1	1	4	1	1	2
Bayol D	1	1	4	1	1	2
Beet Sugar Liquid	1	1	1	1	1	1
Beet Sugar Liquors	1	1	1	1	1	2
Benzaldehyde	2	4	1	4	4	4
Benzene (Benzol)	3	1	4	4	4	4
Benzene Sulfonic Acid	1	1	3	4	4	4
Benzoic Acid	1	1	4	4	4	4
Benzophenone (Diphenylketone)	1	1	2	4	4	4
Benzotrichloride	3	1	1	4	4	4
Benzoyl Chloride	2	2	4	4	4	4
Benzyl Alcohol	2	1	1	4	4	2
Benzyl Benzoate	3	1	2	4	4	4
Benzyl Chloride	2	1	4	4	4	4
Black Liquor	2	2	2	2	2	3
Black Point 77	1	1	1	1	1	3
Blast Furnace Gas	1	1	4	4	4	4
Bleaching Liquor	1	1	1	2	2	2
Borax	1	1	1	2	2	4
Borax Solutions	1	1	1	2	2	4
Bordeaux Mixture	1	1	1	2	2	2
Boric Acid	1	1	1	1	1	1
Boron Fluids (HEF)	1	1	4	2	2	4
Bray GG-130	2	1	4	2	2	4
Brayco 885 (MIL-L-6085A)	2	1	4	2	2	4
Brayco 910	3	4	1	2	2	2
Brine (Sea Water)	1	1	1	1	1	1
Bromine Anhydrous	1	1	4	4	4	4
Bromine Pentafluoride	4	4	4	4	4	4
Bromine Trifluoride	4	4	4	4	4	4
Bromine Water	1	1	2	3	2	4
Bromobenzene	4	1	4	4	4	4
Bromochlorotrifluoroethane	1	1	4	4	4	4
Bromoethane	1	1	4	2	2	4
Bunker C (Fuel Oil)	2	1	4	1	1	3
Bunker Oil	1	1	4	1	1	4
Butadiene (Divinyl)	2	1	3	4	4	4
Butane	2	1	4	1	1	1
Butane 2, 2-Dimethyl	2	1	4	1	1	2
Butane 2, 3-Dimethyl	2	1	4	1	1	2
Butyl Acetate	4	4	4	4	4	4
Butyl Acetyl Ricinoleate	1	1	1	2	2	2
Butyl Acrylate	4	4	4	4	4	4
Butyl Alcohol (Butanol)	1	1	2	1	1	1
Butyl Amine	2	4	4	3	3	4
Butyl Carbitol	2	3	1	4	4	3
Butyl Cellosolve	3	4	2	3	3	3
Butyl Cellosolve Adipate	2	2	2	4	4	4
Butyl Oleate	1	1	2	4	4	4
Butyl Stearate	1	1	4	2	2	4
Butyraldehyde	4	4	2	4	4	4
Cadmium Cyanide	1	1	1	1	1	1

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Calcine Liquors	1	1	1	1	1	2
Calcium Acetate	1	4	2	2	2	1
Calcium Arsenate	1	1	1	1	1	1
Calcium Bisulfite	1	1	4	1	1	1
Calcium Carbonate	1	1	1	1	1	1
Calcium Chloride	1	1	1	1	1	1
Calcium Cyanide	1	1	1	1	1	1
Calcium Hydroxide	1	1	1	1	1	1
Calcium Hypochlorite	1	1	1	2	2	2
Calcium Nitrate	1	1	1	1	1	1
Calcium Phosphate	1	1	1	1	1	2
Calcium Salts	1	1	1	1	1	1
Calcium Silicate	1	1	1	1	1	1
Calcium Sulfide	1	1	1	1	1	1
Calcium Sulfite	1	1	1	1	1	1
Calcium Thiosulfate	1	1	1	2	2	1
Caliche Liquors	1	1	1	1	1	1
Camphor	1	1	1	1	1	1
Cane Sugar Liquors	1	1	1	1	1	1
Caprolactam	2	3	1	1	1	1
Carbon Bisulfide	1	1	4	4	4	4
Carbon Dioxide, Dry	1	2	2	1	1	2
Carbon Dioxide, Wet	1	2	2	1	1	2
Carbon Disulfide	1	1	4	4	4	4
Carbon Monoxide	1	1	1	1	1	2
Carbon Tetrachloride	4	1	4	2	2	4
Carbonic Acid	1	1	1	1	1	2
Castor Oil	1	1	2	1	1	1
Cellosolve	1	4	2	4	4	4
Cellosolve Acetate	3	4	2	4	4	4
Cellugard	1	1	1	1	1	1
Cellulube A60	2	4	2	4	4	4
Cellutherm 2505A	1	1	4	2	2	4
Cetane	1	1	4	1	1	2
China Wood Oil	1	1	4	1	1	2
Chlordane	1	1	4	2	2	3
Chlorextol	1	1	4	2	2	2
Chlorinated Salt Brine	1	1	4	4	4	4
Chlorinated Solvents, Dry	4	1	4	4	4	4
Chlorinated Solvents, Wet	4	1	4	4	4	4
Chlorine Dioxide	3	3	3	4	4	4
Chlorine Trifluoride	4	4	4	4	4	4
Chlorine Water	1	1	2	3	3	4
Chlorine, Dry	3	1	4	4	3	4
Chlorine, Wet	3	2	2	3	3	4
Chloroacetic Acid	2	4	2	4	4	4
Chloroacetone (Chloropropanone)	4	4	1	4	4	4
Chloroaniline	2	3	2	4	4	4
Chlorobromomethane	3	1	2	4	4	4
Chlorobutadiene	3	1	4	4	4	4
Chlorododecane	2	1	4	4	4	4

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Chloroform	4	1	4	4	4	4
Chlorohydrin	1	1	1	1	1	1
Chloronaphthalene	4	1	4	4	4	4
Chlorox	1	1	2	2	2	2
Chrome Alum	3	1	2	2	2	1
Chrome Plating Solution	1	1	2	4	4	4
Chromic Acid	1	1	2	4	4	4
Chromic Oxide	1	1	2	4	4	4
Chromium Potassium Sulfate	2	1	2	2	2	2
Circo Light Process Oil	1	1	4	1	1	2
Citric Acid	1	1	1	1	1	1
City Service 65	1	1	4	1	1	2
City Service 120	1	1	4	1	1	2
City Service 250	1	1	4	1	1	2
City Service Kool Motor Oil No. 140	1	1	4	1	1	2
City Service Pacemaker No. 2	1	1	4	1	1	2
Coal Tar	1	1	4	1	1	2
Cobalt Chloride	1	1	1	1	1	1
Coconut Oil/Butter	1	1	3	1	1	3
Cod Liver Oil	1	1	1	1	1	2
Coke Oven Gas	1	1	4	4	4	4
Convelex 10	2	1	3	4	4	4
Coolanol (Monsanto)	1	1	4	1	1	1
Coolanol 25	1	1	4	1	1	1
Coolanol 45	1	1	4	1	1	1
Copper Acetate (Blue Verdigris)	4	4	1	2	2	2
Copper Chloride	1	1	1	1	1	2
Copper Cyanide	2	1	1	1	1	1
Copper Nitrate	2	1	2	2	1	2
Copper Salts	1	1	1	1	1	1
Copper Sulfate	1	1	1	1	1	1
Corn Oil	1	1	3	1	1	3
Cottonseed Oil	1	1	3	1	1	3
Creosote (Coal Tar)	1	1	4	1	1	2
Creosote (Wood Tar)	1	1	4	1	1	2
Cresol (Methyl Phenol)	1	1	4	3	3	3
Cresylic Acid	1	1	4	4	1	4
Crude Oil (Asphalt Base)	1	1	4	2	1	4
Cumene	3	1	4	4	4	4
Cupric Sulfate	1	1	1	1	1	1
Cutting Oil	1	1	4	1	1	2
Cyanogen Chloride	3	2	3	4	3	4
Cyclohexane (Hexamethylene)	2	1	4	1	1	3
Cyclohexanol	1	1	4	1	1	2
Cyclohexanone	3	4	2	4	4	4
Decane	1	1	4	1	1	3
Delco Brake Fluid	1	4	1	3	3	2
Denatured Alcohol	1	1	1	1	1	1
Detergent Solutions	1	1	1	1	1	2
Developing Fluids	1	1	2	1	1	1
Dextron	1	1	4	1	1	2
DI Water	2	2	2	2	2	2
Diacetone Alcohol (Diacetol)	4	4	1	4	4	4
Diazinon	4	4	2	4	4	4

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Dibenzyl Ether	3	4	2	4	4	4
Dibenzyl Sebacate	1	2	2	4	4	4
Dibromoethyl Benzene	4	1	4	4	4	4
Dibutyl Ether	4	3	3	4	4	4
Dibutyl Phthalate	2	3	2	4	4	4
Dibutyl Sebacate	2	2	2	4	4	4
Dibutylamine	2	4	4	4	4	3
Dichlorobutane	1	1	4	2	2	4
Dichloroisopropyl Ether	3	3	3	4	4	4
Dicyclohexylamine	3	4	4	3	3	4
Diesel Oil	1	1	4	1	1	3
Diester Lubricant (MIL-L-7808)	1	1	4	2	2	4
Diester Synthetic Lubricating Oils	1	1	4	2	2	4
Diethyl Ether	4	4	4	4	4	3
Diethyl Sebacate	2	2	3	3	3	4
Diethyl Sulfate	2	3	2	4	4	4
Diethylamine	4	4	2	2	2	2
Diethylbenzene	3	1	4	4	4	4
Diethylene Glycol	1	2	1	1	1	1
Dimethyl Formamide (DMF)	3	4	2	3	3	4
Dimethyl Sulfoxide (DMSO)	2	3	1	3	3	2
Dimethylether	4	4	4	4	4	3
Dimethylphthalate	2	2	2	4	4	4
Dinitrotoluene (DNT)	4	4	4	4	4	4
Diocetyl Phthalate	2	2	2	4	4	4
Diocetyl Sebacate	1	2	2	4	4	4
Dioxane	4	4	2	4	2	4
Dioxolanes (Dioxolans)	4	4	2	4	4	4
Dipentene	3	1	4	2	2	4
Diphenyl	3	1	4	4	4	4
Diphenyl Oxides	2	1	4	4	4	4
Dow Chemical 50-4	4	4	1	3	3	2
Dow Chemical ET378	3	3	3	4	4	4
Dow Chemical ET588	4	4	1	3	3	2
Dow Corning 3	1	1	1	1	1	1
Dow Corning 4	1	1	1	1	1	1
Dow Corning 5	1	1	1	1	1	1
Dow Corning 11	1	1	1	1	1	1
Dow Corning 33	1	1	1	1	1	1
Dow Corning 44	1	1	1	1	1	1
Dow Corning 55	1	1	1	1	1	1
Dow Corning 200	1	1	1	1	1	1
Dow Corning 220	1	1	1	1	1	1
Dow Corning 510	1	1	1	1	1	1
Dow Corning 550	1	1	1	1	1	1
Dow Corning 705	1	1	1	1	1	1
Dow Corning 710	1	1	1	1	1	1
Dow Corning 1208	1	1	1	1	1	1
Dow Corning 4050	1	1	1	1	1	1
Dow Corning 6620	1	1	1	1	1	1
Dow Corning F60	1	1	1	1	1	1

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Dow Corning F61	1	1	1	1	1	1
Dow Corning XF-60	1	1	1	1	1	1
Dow Guard	1	1	1	1	1	1
Dowtherm 209	1	4	1	3	3	2
Dowtherm A	2	1	4	4	4	4
Dowtherm E	1	1	4	4	4	4
Drinking Water	1	1	1	1	1	2
Dry Cleaning Fluids	3	1	4	3	3	4
DTE Light Oil	1	1	4	1	1	2
Elco 28 EP Lubricant	1	1	4	1	1	3
Epichlorohydrin	4	4	2	4	4	4
Epoxy Resins	2	4	1	3	3	1
Esam-6 Fluid	4	4	1	4	4	2
Esso Fuel 208	1	1	4	1	1	2
Esso Golden Gasoline	3	1	4	2	2	4
Esso Motor Oil	1	1	4	1	1	3
Esso Transmission Fluid, Type A	1	1	4	1	1	2
Esso WS2812 (MIL-L-7808A)	1	1	4	1	1	4
Esso XP90-EP Lubricant	1	1	4	1	1	2
Esstic 42	1	1	4	1	1	2
Esstic 43	1	1	4	1	1	2
Ethanol (Ethyl Alcohol)	1	3	1	1	1	1
Ether	4	4	4	4	4	3
Ethyl Acetate	4	4	2	4	4	4
Ethyl Acrylate	3	4	3	4	4	3
Ethyl Alcohol (Ethanol)	1	3	1	1	1	1
Ethyl Benzene	3	1	4	4	4	4
Ethyl Benzoate	3	1	4	4	4	4
Ethyl Chloride	2	1	3	1	1	1
Ethyl Chlorocarbonate	2	1	4	4	4	4
Ethyl Cyclopentane	2	1	4	1	1	3
Ethyl Dibromide	2	1	3	4	4	4
Ethyl Dichloride	1	1	3	4	4	4
Ethyl Ether	4	4	4	4	4	3
Ethyl Formate	1	3	2	4	4	2
Ethyl Sulfate	1	4	1	4	4	4
Ethyl Tertiary Butyl Ether	2	3	3	3	3	3
Ethylene Chlorohydrin	1	1	2	4	4	2
Ethylene Diamine	2	4	1	1	1	1
Ethylene Glycol (Ethane Diol)	1	1	1	1	1	1
Ethylene Oxide	4	4	4	4	4	4
Ethylene Trichloride	4	1	3	4	4	4
F60 Fluid (Dow Corning)	1	1	1	1	1	1
F61 Fluid (Dow Corning)	1	1	1	1	1	1
Fatty Acids	1	1	3	2	2	2
FC-43 Heptacosofluorotributylamine	3	1	1	1	1	1
FC-75	3	2	1	1	1	1
Ferric Chloride	1	1	1	1	1	2
Ferric Nitrate	1	1	1	1	1	1
Ferric Persulfate	1	1	1	1	1	1
Ferric Sulfate	1	1	1	1	1	1
Fluorolube	2	2	1	1	1	1
Fluosilicic Acid (Fluosilicic Acid)	1	2	2	1	1	1
Formaldehyde	1	4	2	2	2	1

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Formamide	2	3	1	3	3	4
Formic Acid	3	4	1	2	2	1
Freon 11 (Trichlorofluoromethane, Freon MF)	4	2	4	2	2	4
Freon 12 (50%) + ASTM-Oil No. 2 (50%)	4	1	4	1	1	2
Freon 12 (Dichlorodifluoromethane)	4	1	2	1	1	1
Freon 32	4	4	1	1	1	1
Freon 112 with or without oil	4	1	4	2	2	2
Freon 113 (Trichlorotrifluoroethane)	4	2	4	1	1	1
Freon 113 +High & Low Aniline Oil	4	2	4	1	1	2
Freon 114 (Dichlorotetrafluoroethane)	4	1	1	1	1	1
Freon 114b2	4	2	4	2	2	1
Freon 115 (Chloropentafluoroethane)	4	1	1	1	1	1
Freon 142b (Difluorochloroethane)	4	2	4	2	2	1
Freon C318	4	2	1	1	1	1
Freon MF (Trichlorofluoromethane, Freon 11)	4	2	4	2	2	4
Freon PCA	4	2	4	1	1	1
Freon TF	4	2	4	1	1	1
Fuel Oil	1	1	4	1	1	2
Fuel Oil No. 6	1	1	4	2	2	4
Fuel Oil, Acidic	1	1	4	1	1	2
Fumaric Acid	1	1	2	1	1	2
Furan (Furfuran)	4	4	4	4	4	4
Furfuraldehyde (Furaldehyde, Furfural)	4	4	2	4	4	4
Furfuryl Alcohol	2	4	2	4	4	4
Furyl Carbinol	2	4	2	4	4	4
Fyrquel 90	1	1	1	4	4	4
Fyrquel 100	1	1	1	4	4	4
Fyrquel 150	1	1	1	4	4	4
Fyrquel 220	1	1	1	4	4	4
Fyrquel 300	1	1	1	4	4	4
Fyrquel 500	1	1	1	4	4	4
Fyrquel 550	1	1	1	4	4	4
Fyrquel A60	2	4	2	4	4	4
Gallic Acid	1	1	2	2	2	2
Gasoline	2	1	4	1	1	2
Glaubers Salt (Sodium Sulfate)	1	1	2	4	4	2
Glucose	1	1	1	1	1	1
Green Sulfate Liquor	1	1	1	2	2	2
Gulf Endurance Oil	1	1	4	1	1	2
Gulf FR Fluids (Emulsion)	1	1	4	1	1	2
Gulf Harmony Oil	1	1	4	1	1	2
Gulf High Temperature Grease	1	1	4	1	1	2
Gulf Legion Oil	1	1	4	1	1	2
Gulf Paramount Oil	1	1	4	1	1	2
Gulf Security Oil	1	1	4	1	1	2
Gulfcrown Grease	1	1	4	1	1	2
Halothane	1	1	4	4	4	4
Halowax Oil	1	1	4	4	4	4
Hannifin Lube A	1	1	4	1	1	1
Heavy Water	1	2	1	1	1	2
HEF-2 (High Energy Fuel 2)	1	1	4	2	2	4

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Helium	1	1	1	1	1	1
<i>n</i> -Heptane	3	1	4	1	1	2
Hexachloroacetone	4	4	1	4	4	3
<i>n</i> -Hexane	2	1	4	1	1	2
<i>n</i> -Hexene-1	3	1	4	2	2	2
High Viscosity Lubricant H2	1	1	1	1	1	2
High Viscosity Lubricant U4	1	1	1	1	1	2
Hi-Lo MS No. 1	3	4	1	4	4	4
Houghto-Safe 271 (Water + Gylcol)	1	2	1	1	1	2
Houghto-Safe 620 (Water + Gylcol)	1	2	1	1	1	2
Hydraulic Oil (Petroleum)	1	1	4	1	1	2
Hydrazine	1	4	1	2	2	2
Hydrobromic Acid	1	1	1	4	4	2
Hydrochloric Acid (Cold) 37%	1	1	1	2	2	2
Hydrochloric Acid (Hot) 37%	1	2	3	4	4	4
Hydrocyanic Acid	1	1	1	2	2	2
Hydrofluoric Acid	2	3	4	4	4	4
Hydrogen	1	1	1	1	1	1
Hydrogen Chloride, Gas	1	1	1	4	4	2
Hydrogen Cyanide	1	1	1	1	4	2
Hydrogen Peroxide	1	1	1	2	2	1
Hydrogen Sulfide, Dry Cold	1	4	1	1	1	1
Hydrogen Sulfide, Dry Hot	1	4	1	4	4	2
Hydrogen Sulfide, Wet Cold	1	4	1	4	4	1
Hydrogen Sulfide, Wet Hot	2	4	1	4	4	2
Hydrolube (Water + Gylcol)	1	1	1	1	1	2
Hydroquinol	3	3	4	4	4	4
Hydroquinone	3	3	4	4	4	4
Hyjet	2	4	1	4	4	4
Hyjet S 4	2	4	1	4	4	4
Hyjet W	2	4	1	4	4	4
Industron FF44	1	1	4	1	1	2
Industron FF48	1	1	4	1	1	2
Industron FF53	1	1	4	1	1	2
Industron FF80	1	1	4	1	1	2
Iodine	1	1	2	2	1	4
Iodine Pentafluoride	4	4	4	4	4	4
Isobutyl Alcohol (Isobutanol, Isopropyl Carbinol)	1	1	1	2	2	2
Isobutyl Chloride	4	1	4	4	4	4
Isobutyl Ether	4	4	4	2	2	3
Isobutyraldehyde	4	4	2	3	2	3
Isobutyric Acid	3	4	2	2	2	4
Isododecane	1	1	4	1	1	2
Isophorone	2	4	1	4	4	4
Isopropanol	1	1	1	2	2	2
Isopropyl Acetate	4	4	2	4	4	4
Isopropyl Alcohol	1	1	1	2	2	2
Isopropyl Chloride	4	1	4	4	4	4
Isopropyl Ether	4	4	4	2	2	3
Jet Fuel JP3 (MIL-J-5624)	2	1	4	1	1	4
Jet Fuel JP4 (MIL-J-5624)	2	1	4	1	1	4
Jet Fuel JP5 (MIL-J-5624)	2	1	4	1	1	4
Jet Fuel JP6 (MIL-J-25656)	2	1	4	1	1	4
Jet Fuel JP8	2	1	4	4	1	4

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Jet Fuel JPX (MIL-F-25604)	2	4	4	1	1	2
Kel-F Fluids	3	2	1	1	1	2
Kerosene	2	1	4	1	1	2
Keystone 87 HX, Grease	1	1	4	1	1	4
Lacquer Solvents	4	4	4	4	4	4
Lacquers	4	4	4	4	4	4
Lactams (Amino Acids)	3	4	2	4	4	2
Lard, Animal Fat	1	1	2	1	1	2
Lavender Oil	1	1	4	2	2	4
LB 135	1	1	1	1	1	1
Lead Acetate	4	4	1	2	2	2
Lead Nitrate	2	1	1	1	1	1
Lead Oxide	1	1	1	1	1	1
Lehigh X1169	1	1	4	1	1	2
Lehigh X1170	1	1	4	1	1	2
Light Grease	1	1	4	1	1	4
Ligroin (Petroleum Ether, Benzene)	2	1	4	1	1	2
Lime Bleach	1	1	1	1	1	1
Lindol (Hydraulic Fluid, Phosphate Ester)	1	2	1	4	1	4
Linoleic Acid (Linolenic Acid)	1	2	4	2	2	2
Linseed Oil	1	1	3	1	1	3
Liquid Oxygen	4	4	4	4	4	4
Liquified Petroleum Gas (LPG)	2	1	4	1	1	2
Liquimoly	1	1	4	1	1	2
Lithium Hydroxide	1	3	1	2	2	2
Lubricating Oils (Crude & Refined)	1	1	4	2	2	3
Lubricating Oils, Diester	2	1	4	2	2	2
Lubricating Oils, Petroleum	1	1	4	1	4	2
Lubricating Oils, SAE 10	1	1	4	1	4	2
Lubricating Oils, SAE 20	1	1	4	1	4	2
Lubricating Oils, SAE 30	1	1	4	1	4	2
Lubricating Oils, SAE 40	1	1	4	1	4	2
Lubricating Oils, SAE 50	1	1	4	1	4	2
Lye	1	4	1	2	2	2
Magnesium Chloride	1	1	1	1	1	1
Magnesium Hydroxide	1	3	1	2	2	2
Magnesium Salts	1	1	1	1	1	1
Maleic Acid	1	1	4	4	4	4
Maleic Anhydride	1	1	4	4	4	4
Malic Acid	1	1	4	1	1	2
Mercaptobenzothiazole (MBT)	1	1	1	3	3	4
Mercuric Chloride	1	1	1	1	1	1
Mercury	1	1	1	1	1	1
Mercury Vapor	1	1	1	1	1	1
Mesityl Oxide	4	4	2	4	4	4
Methacrylic Acid	2	3	2	4	4	2
Methane	2	1	4	1	1	2
Methanol (Methyl Alcohol)	1	4	1	1	1	1
Methyl Acetate	4	4	2	4	4	2
Methyl Acetoacetate	4	4	2	4	4	4
Methyl Acrylate	4	4	2	4	4	2

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Methyl Alcohol (Methanol)	1	4	1	1	1	1
Methyl Benzoate	2	2	4	4	4	4
Methyl Bromide	2	1	4	2	2	4
Methyl Butyl Ketone	4	4	1	4	4	4
Methyl Carbonate	2	1	4	4	4	4
Methyl Cellosolve	1	4	2	3	3	3
Methyl Cellulose	1	4	2	2	2	2
Methyl Chloride	4	1	3	4	4	4
Methyl Chloroform	4	2	4	4	4	4
Methyl Chloroformate	1	1	4	4	4	4
Methyl Cyclopentane	2	1	4	4	4	4
Methyl Ether	4	2	2	1	1	3
Methyl Ethyl Ketone (MEK)	4	4	1	4	4	4
Methyl Formate	4	4	2	4	4	2
Methyl Isobutyl Ketone (MIBK)	4	4	3	4	4	4
Methyl Methacrylate	4	4	4	4	4	4
Methyl Oleate	1	1	2	4	4	4
Methyl Tertiary Butyl Ether (MTBE)	2	3	3	3	3	3
MIL-L-7808, Lubricant	1	1	3	2	2	4
MIL-L-23699, Lubricant	1	1	4	2	2	3
Mineral Oil	1	1	3	1	1	2
MLO-7277	1	1	4	3	3	4
MLO-7557	1	1	4	3	3	4
MLO-8200	1	1	4	2	2	1
MLO-8515	1	1	4	2	2	1
Mobil 24DTE	1	1	4	1	1	2
Mobil Delvac 1100	1	1	4	1	1	2
Mobil Delvac 1110	1	1	4	1	1	2
Mobil Delvac 1120	1	1	4	1	1	2
Mobil Delvac 1130	1	1	4	1	1	2
Mobil HF	2	1	4	1	1	2
Mobil Nivac 20	1	1	1	1	1	1
Mobil Nivac 30	1	1	1	1	1	1
Mobil Oil SAE 20	1	1	4	1	1	2
Mobil Therm 600	1	1	4	1	1	2
Mobil Velocite C	1	1	4	1	1	2
Mobilgas WA200 ATF	1	1	4	1	1	2
Mobilux	1	1	4	1	1	2
Molybdenum Disulfide, Grease	1	1	4	1	1	4
Monobromobenzene	4	1	4	4	4	4
Monochlorobenzene	4	1	4	4	4	4
Monomethyl Aniline	2	2	4	4	4	4
Monomethyl Hydrazine (MMH)	2	4	1	2	2	2
Mononitrotoluene (40%) + Dinitrotoluene (60%)	3	3	4	4	4	4
Monovinyl Acetylene	3	1	1	1	1	2
Mopar Brake Fluid	1	4	1	3	3	2
Naphtha	2	1	4	2	2	4
Naphthalene	3	1	4	4	4	4
Natural Gas	1	1	4	1	1	1
Neatsfoot Oil	1	1	2	1	1	4
Neon	1	1	1	1	1	1
Neville Acid	1	1	2	4	4	4
Nickel Acetate	4	4	1	2	2	2
Nickel Chloride	1	1	1	1	1	2

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Nickel Salts	1	1	1	1	1	2
Nickel Sulfate	1	1	1	1	1	1
Niter Cake	1	1	1	1	1	1
Nitric Acid	2	1	4	4	4	4
Nitric Acid (Conc.)	2	1	4	4	4	4
Nitric Acid, Red Fuming, > 85%	3	2	4	4	4	4
Nitrobenzene	1	2	4	4	4	4
Nitrogen Tetroxide	3	4	4	4	4	4
Nitromethane	3	4	2	4	4	3
Nitropropane	2	4	2	4	4	4
Octadecane	1	1	4	1	1	2
Octyl Alcohol	1	1	1	2	2	2
Oleic Acid	1	2	3	3	3	4
Oleum	1	2	4	4	4	4
Olive Oil	1	1	2	1	1	2
Oronite 8200	1	1	4	2	2	1
Oronite 8515	1	1	4	2	2	1
Orthochloroethylbenzene	4	1	4	4	4	4
Orthodichlorobenzene	4	1	4	4	4	4
OS45, Type III (Silicate Ester Based)	1	1	4	2	2	1
OS45, Type IV	1	1	4	2	2	1
OS70	1	1	4	2	2	1
Oxalic Acid	1	1	1	2	2	2
Oxygen, Gas	4	3	4	4	4	4
Oxygen, Liquid	4	4	4	4	4	4
Ozone	1	1	1	4	4	3
Paint Thinner, Duco	3	2	4	4	4	4
Palmitic Acid (Hexadecanoic Acid)	1	1	2	1	1	2
Paradichlorobenzene	4	1	4	4	4	4
Par-Al-Ketone	4	4	4	4	4	4
Parker O-Lube	1	1	4	1	1	1
Peanut Oil	1	1	3	1	1	2
Pentaerythritol	1	1	1	1	1	1
Perchloric Acid	1	1	2	4	4	2
Perchloroethylene	4	1	4	2	2	4
Petro Oil, Crude (Above 121°C/250°F)	2	2	4	4	4	4
Petro Oil, Crude (Below 121°C/250°F)	1	1	4	1	1	2
Petroleum, Crude	1	1	4	1	1	2
Phenol	1	1	4	4	4	4
Phenyl Benzene	3	1	4	4	4	4
Phenyl Ethyl Ether	4	4	4	4	4	4
Phenyl Hydrazine	1	1	4	4	4	4
Phorone	4	4	1	4	4	4
Phosphoric Acid, 3 Molar	1	1	1	4	4	3
Phosphorous Trichloride Acid	1	1	1	4	4	4
Phthalic Anhydride	3	4	2	3	3	2
Pickling Solution	2	2	3	4	3	4
Pinene	1	1	4	2	2	3
Plating Solution, Chrome	1	1	2	4	4	4
Plating Solution, Cobalt	1	1	1	1	1	1
Plating Solution, Copper	1	1	1	1	1	1

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Plating Solution, Gold	1	1	1	1	1	1
Plating Solution, Indium	1	1	1	1	1	1
Plating Solution, Iron	1	1	1	1	1	1
Plating Solution, Lead	1	1	1	1	1	1
Plating Solution, Nickel	1	1	1	1	1	1
Plating Solution, Silver	1	1	1	1	1	1
Plating Solution, Tin	1	1	1	1	1	1
Plating Solution, Zinc	1	1	1	1	1	1
Polyethylene Glycol	1	3	1	2	2	2
Polyvinyl Acetate Emulsion	1	3	1	1	1	2
Potassium Chloride	1	1	1	1	1	1
Potassium Cupro Cyanide	1	1	1	1	1	1
Potassium Cyanide	1	1	1	1	1	1
Potassium Dichromate	1	1	1	1	1	1
Potassium Hydroxide	1	4	1	2	2	2
Potassium Nitrate	1	1	1	1	1	1
Potassium Salts	1	1	1	1	1	1
Potassium Sulfate	1	1	1	1	1	1
Prestone Antifreeze	2	1	1	1	1	1
PRL-High Temperature Hydraulic Oil	1	1	4	2	2	2
Producer Gas	1	1	4	1	1	2
Propane	1	1	4	1	1	2
Propionitrile	1	1	4	1	1	2
Propyl Acetate	4	4	2	4	4	4
Propyl Alcohol (Propanol)	1	1	1	1	1	1
Propylene (Propene)	1	1	4	4	4	4
Propylene Glycol (Propane Diol)	1	1	1	1	1	1
Propylene Oxide	4	4	2	4	4	4
Pydraul 230C	1	1	4	4	4	4
Pydraul 312C	1	1	4	4	4	4
Pydraul 540C	1	1	4	4	4	4
Pydraul 10E	1	1	1	4	4	4
Pydraul 30E	1	1	1	4	4	4
Pydraul 50E	1	1	1	4	4	4
Pydraul 65E	1	1	1	4	4	4
Pydraul 90E	1	1	1	4	4	4
Pydraul 115E	1	1	1	4	4	4
Pydraul 29ELT	1	1	1	4	4	4
Pyranol Transformer Oil	1	1	4	1	1	2
Pyridine	2	4	2	4	4	4
Pyrogard 42	2	1	1	4	4	4
Pyrogard 43	2	1	1	4	4	4
Pyrogard 53	2	1	1	4	4	4
Pyrogard 55	2	1	1	4	4	4
Pyrogard C (Water + Petroleum)	1	1	4	1	1	2
Pyrogard D (Water + Petroleum)	1	1	4	1	1	2
Pyroligneous Acid	4	4	2	4	4	4
Pyrolube	1	1	2	4	4	4
Radiation (Gamma)	1	4	1	3	3	3
Rapeseed Oil	1	1	1	2	2	2
Red Line 100 Oil	1	1	4	1	1	2
Red Oil	1	1	4	1	1	2
Resorcinol	1	1	4	4	4	4
RJ-1 (MIL-F-25558)	1	1	4	1	1	2

P

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
RP-1 (MIL-R-25576)	1	1	4	1	1	2
Sal Ammoniac	1	1	1	1	1	1
Salicylic Acid (Hydroxybenzoic Acid)	1	1	1	2	2	4
Salt Water	1	2	1	1	1	2
Santosafe 300	1	1	3	4	4	4
Sea Salt, Dry	1	1	1	1	1	2
Sea Water	1	2	1	1	1	2
Sewage	1	2	1	1	1	2
Shell 3XF Mine Fluid	1	1	4	1	1	2
Shell Alvania Grease	1	1	4	1	1	2
Shell Carnea 19	1	1	4	1	1	4
Shell Carnea 29	1	1	4	1	1	4
Shell Diala	1	1	4	1	1	2
Shell IruS 905	1	1	4	1	1	2
Shell Tellus 27 (Petroleum Based)	1	1	4	1	1	2
Shell Tellus 33	1	1	4	1	1	2
Shell UMF (5% Aromatic)	1	1	4	1	1	2
Silicate Esters	1	1	4	2	2	1
Silicone Greases	1	1	1	1	1	1
Silicone Oils	1	1	1	1	1	1
Silver Nitrate	1	1	1	2	2	1
Sinclair Opaline CX-EP Lube	1	1	4	1	1	2
Skydrol 500	1	4	1	4	4	4
Skydrol 7000	1	2	1	4	4	4
Soap Solutions	1	2	1	1	1	2
Socony Mobil, Type A	1	1	4	1	1	2
Socony Vacuum AMV AC781, Grease	1	1	4	1	1	2
Socony Vacuum PD959B	1	1	4	1	1	2
Soda Ash	1	1	1	1	1	1
Sodium Acetate	2	4	1	2	2	2
Sodium Bicarbonate	1	1	1	1	1	1
Sodium Bisulfate	1	1	1	1	1	1
Sodium Bisulfite	1	1	1	1	1	1
Sodium Borate	1	1	1	1	1	1
Sodium Carbonate	1	1	1	1	1	1
Sodium Chloride	1	1	1	1	1	1
Sodium Cyanide	1	2	1	1	1	1
Sodium Hydroxide	1	4	1	2	2	2
Sodium Hypochlorite	1	1	1	2	2	2
Sodium Metaphosphate	1	1	1	1	1	2
Sodium Nitrate	1	1	1	2	2	2
Sodium Perborate	1	1	1	2	2	2
Sodium Peroxide	1	1	1	2	2	2
Sodium Phosphate (Dibasic)	1	1	1	1	1	2
Sodium Phosphate (Monobasic)	1	1	1	1	1	2
Sodium Phosphate (Tribasic)	1	1	1	1	1	2
Sodium Salts	1	1	1	1	1	2
Sodium Silicate	1	1	1	1	1	1
Sodium Sulfite	1	1	1	1	1	1
Solvasol 1	4	1	4	1	1	2
Solvasol 2	4	1	4	1	1	2

R

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
Solvasol 3	4	1	4	1	1	2
Solvasol 73	4	1	4	2	2	2
Solvasol 74	4	1	4	2	2	2
Soybean Oil (Soyabean Oil)	1	1	1	1	1	3
Spry	1	1	2	1	1	2
SR-6 Fuel	1	1	4	2	2	4
SR-10 Fuel	1	1	4	1	1	4
Standard Oil Multilube GX90-EP 1	1	1	4	1	1	2
Stannic Chloride	1	1	1	1	1	4
Stannous Chloride	1	1	1	1	1	1
Stauffer 7700	3	1	4	2	2	4
Steam (Above 149°C/300°F)	1	4	2	4	4	4
Steam (Below 149°C/300°F)	1	3	1	4	4	4
Stearic Acid	1	2	2	2	2	2
Stoddard Solvent	2	1	4	1	1	2
Styrene Monomer	4	2	4	4	4	4
Sulfolane (Sulfone)	1	2	1	2	2	2
Sulfur, Molten	1	1	3	4	4	3
Sulfur Chloride	1	1	4	4	4	4
Sulfur Dioxide, Dry	2	4	1	4	4	4
Sulfur Dioxide, Pressurized	2	4	1	4	4	4
Sulfur Dioxide, Wet	2	4	1	4	4	2
Sulfur Hexafluoride	3	3	1	2	2	1
Sulfur Trioxide, Dry	2	1	2	4	4	4
Sulfuric Acid, Fuming	1	2	4	4	4	4
Sulfurous Acid	1	1	2	2	2	2
Sunoco 3661	1	1	4	1	1	2
Sunoco SAE 10	1	1	4	1	1	2
SunSAFE (Fire Resistant Fluid)	1	1	4	1	1	2
Supershell Gasoline	3	1	4	1	1	2
Swanfinch EP Lubricant	2	1	4	1	1	4
Swanfinch Hypoid 90	1	1	4	1	1	2
Tannic Acid (Tannin)	1	1	1	1	1	2
Tar, Bituminous	1	1	4	2	2	3
Tartaric Acid (Dioxysuccinic Acid)	1	1	2	1	1	2
Terpineol	1	1	3	2	2	4
Tertiary Butyl Alcohol	1	1	2	2	2	2
p-Tertiary Butyl Catechol	1	1	2	4	4	2
Tertiary Butyl Mercaptan	1	1	4	4	4	4
Tetrabromoethane	3	1	4	4	4	4
Tetrabutyl Titanate	1	1	1	2	2	2
Tetrachloroethane	4	1	4	4	4	4
Tetrachloroethylene	4	1	4	4	4	4
Tetraethyl Lead	3	1	4	2	2	2
Tetraethyl Lead Blend	3	1	4	2	2	4
Tetrahydrofuran (THF)	4	4	2	4	4	4
Tetralin	4	1	4	4	4	4
Texaco 3450, Gear Oil	1	1	4	1	4	4
Texaco Capella A	1	1	4	1	1	2
Texaco Capella AA	1	1	4	1	1	2
Texaco Meropa 220 No. 3 (No Lead)	1	1	4	1	1	2
Texaco Regal B	1	1	4	1	1	4
Texaco Uni-Temp, Grease	1	1	4	1	1	2
Texamatic 3401 Fluid	1	1	4	1	1	2

Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	
Media						
Texamatic 3525 Fluid	1	1	4	1	1	2
Texamatic 3528 Fluid	1	1	4	1	1	2
Texamatic A, Gear Oil	1	1	4	1	1	2
Texas 1500 Oil	1	1	4	1	1	2
Thiokol TP-90B	1	1	1	4	4	2
Thiokol TP-95	1	1	1	4	4	2
Tidewater Multigear 140, EP Lube	1	1	4	1	1	2
Tidewater Oil, Beedol	1	1	4	1	1	2
Titanium Tetrachloride	2	1	4	2	2	4
Toluene	4	1	4	4	4	4
Toluene Diisocyanate (TDI)	4	4	2	4	4	4
Tolyl Arginine Methyl Ester	4	4	3	4	4	4
Transformer Oil	1	1	4	1	1	2
Transmission Fluid, Type A	1	1	4	1	1	2
Triacetin	4	4	1	2	2	2
Triaryl Phosphate	1	1	1	4	4	4
Tributoxy Ethyl Phosphate	1	1	1	4	4	4
Tributyl Phosphate	2	4	1	4	4	4
Trichloroacetic Acid	3	3	2	2	2	4
Trichloroethane	4	1	4	4	4	4
Trichloroethylene (Triad)	4	1	4	3	3	4
Tricresyl Phosphate	1	2	1	4	4	4
Triethanolamine (TEA)	1	4	2	3	3	2
Trifluoroethane	2	1	4	4	4	4
Trinitrotoluene	2	2	4	4	4	2
Trioctyl Phosphate	1	2	4	4	4	4
Tripolyphosphate	1	2	1	4	4	3
Tung Oil	1	1	4	1	1	2
Turbine Oil	1	1	4	1	1	4
Turbine Oil No. 15 (MIL L-7808A)	1	1	4	2	2	4
Turbo Oil No. 35	1	1	4	1	1	2
Turpentine	1	1	4	1	1	4
Ucon Hydrolube 50-HB-280X	1	3	1	2	2	2
Ucon Hydrolube J-4	1	3	1	2	2	2
Ucon Hydrolube LB-385	1	3	1	2	2	2
Ucon Hydrolube LB-400X	1	3	1	2	2	2
Ucon Hydrolube Lubricant LB-65	1	3	1	2	2	2
Univis 40 Hydraulic Fluid	1	1	4	1	1	2
Univolt No. 35 (Mineral Oil)	1	1	4	1	1	2
Unsymmetrical Dimethyl Hydrazine (UDMH)	3	4	1	2	2	2
Varnish	2	1	4	2	2	4
Vegetable Oils	1	1	3	1	1	3
Versilube F44	1	1	1	1	1	1
Versilube F50	1	1	1	1	1	1
Versilube F55	1	1	1	1	1	1
Vinyl Acetate	4	4	2	4	4	4
VV-H-910	1	1	1	3	3	2
Wagner 21B Brake Fluid	1	4	1	3	3	2
Water	1	2	1	1	1	2
Wemco C	1	1	4	1	1	2
Whiskey & Wines	1	1	1	1	1	1

T

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Compound:	Fluoraz®	FKM	EPDM	NBR	HNBR	CR
Media						
White Liquor	1	1	1	1	1	1
White Oil	1	1	4	1	1	2
White Pine Oil	1	1	4	2	2	4
Wolmar Salts	1	1	1	1	1	2
Wood Oil	1	1	4	1	1	2
Xenon	1	1	1	1	1	1
Xylene	4	1	4	4	4	4
Xylidenes, Mixed	2	4	4	3	3	4
Xylol	4	1	4	4	4	4
Zeolites	1	1	1	1	1	1
Zinc Acetate	3	4	1	2	2	2
Zinc Chloride	1	1	1	1	1	1
Zinc Salts	1	1	1	1	1	1
Zinc Sulfate	1	1	1	1	1	1

FAXBACK FORM

CONTACT INFORMATION (Fax this form to +1.281.821.2696.)

Name: _____ Title: _____

Company: _____

Address: _____

Phone: _____ Fax: _____ E-Mail: _____

APPLICATION DATA (Please list one application per page.)

Type of component (valve, pump, etc.): _____

Equipment component is used on: _____

Service conditions: Pressure (bar): Min. _____ Max. _____ Temperature (°C): Min. _____ Max. _____

CHEMICAL ENVIRONMENT

	Tradename	Chemical	Concentration
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

SEAL AND HARDWARE

What material is in use now? (fluorocarbon, nitrile, EPR, etc.) _____

Is the application static _____ or dynamic _____? How long does the present seal last? _____

What is the failure mode: _____

Are grooves standard? Yes _____ No _____ If yes, describe (dovetail, face, etc.): _____

Hardware material and finish: _____

Other details: _____

If you have any additional questions or notes, please phone us at +1.281.821.2094.

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