

THORDON

CHEMICAL RESISTANCE GUIDE FOR THORDON ELASTOMERS

XL, SXL, COMPAC, Composite (GM2401), RiverTough, HPSXL, Thorseal

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Thordon elastomers possess excellent corrosion resistance and are resistant to oil, water and most chemicals. They are not affected by lubricants normally used with sleeve bearings.

Thordon elastomers are unaffected by mild acid or caustic baths (pH 5-10) or other chemical environments which would be harmful to metallic bearings.

The following list shows a selected group of chemicals and their effect on Thordon elastomers. However, it should be used as a **guide only**. Results can change depending on concentration, temperature, aeration, velocity of flow, duration of exposure, stability of the fluid, degree of contact, and pressure, etc.

For critical applications it is recommended that an immersion test be performed to determine whether or not Thordon elastomers will be safe to use. Significant softening or dimensional changes after twenty-four hours of immersion at application temperatures will indicate that a Thordon elastomer is unsuitable for that application.

Special Note:

The information set forth herein is furnished free of charge and is based on technical data that Thordon Bearings Inc. believes to be reliable. It is intended for use by persons having technical skills, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use are outside our control we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

3225 Mainway Drive, Burlington, Ontario Canada L7M 1A6

Tel: (905) 335-1440 | Fax: (905) 335-4033

info@thordonbearings.com | www.ThordonBearings.com

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

A	
Absolute Alcohol	X
Acetaldehyde	X
Acetamide	X
Acetic Acid – 5%	X
Acetic Acid – 10% 1.8 BE	X
Acetic Acid – 20%	X
Acetic Acid – 30% 5.4 BE	X
Acetic Acid – 50%	X
Acetic Acid – 99.5% Glacial	X
Acetic Acid – Dilute 10%	X
Acetic Acid – Glacial 99.5%	X
Acetic Acid – Hot High Pressure	X
Acetic Acid – Anhydride	X
Acetic Aldehyde	X
Acetic Anhydride	X
Acetic Ester	X
Acetic Ether	X
Acetic Oxide	X
Acetidino	X
Acetocetic Ester	X
Acetocetic Ether	X
Acetone	X
Acetone Cyahydrin	X
Acetonic	X
Acetophenone	X
Acetyl Acetone	C
Acetyl Acetonic	B
Acetyl Benzene	X
Acetyl Bromide	C
Acetylene	C
Acetyl Chloride	X
Acetyl Oxide	X
Acetylene Tetrabromide	X
Acryimid	X
Active Amyl Alcohol	C
Adeps	A
Adeps Mineralis	A
Adipic Acid	B
Aero Lubriplate	A
Aerosafe – 2300	X
Aerosafe – 2300W	X
Aero Shell – IAC	A
Aero Shell – 7A Grease	A
Aero Shell – 17 Grease	A
Aero Shell – 750	X
Aerozene 50 (50% Hydrazine 50% UDMH)	X
Aether	B

Aethylum Chloratus	B
Agricultural Lime	A
Air	A
Air - 200°F (90°C)	B
Air - 300°F (150°C)	C
Air - 400°F (200°C)	X
Air - 500°F (260°C)	X
Air Gas	A
Alcohol	X
Alcohol – Absolute	X
Alcohol – Dehydrated	X
Alcohol – Denatured	X
Alcohol – Ethyl	X
Alcohol – Grain	X
Alcohol – Methyl	X
Alcohol of Vinegar	B
Aldehyde	X
Alicyclic Hydrocarbon	B
Aliphatic Hydrocarbon	B
Alkazene	C
Almond Oil, Artificial	X
Aluminum Acetate	X
Aluminum Bromide	C
Aluminum Chloride	B-C
Aluminum Fluoride	C
Aluminum Nitrate	C
Aluminum Salts	C
Aluminum Sodium Sulfate	A
Aluminum Sulfate	X
Aluminum Sulfide	B
Ambrex 33 – Mobil	B
Ambrex 830 – Mobil	A
Amines, Mixed	X
Aminic Acid	X
Amino Benzene	X
Amino Ethanol	C
2-Amino Ethanol	C
Ammonia Anhydrous (Liquid)	X
Ammonia Gas, Cold	A
Ammonia and Lithium Metal in Solution	X
Ammonia Water	A
Ammoniak	A
Ammonium Acetate	C-X
Ammonium Carbonate	B
Ammonium Chloride	A
Ammonium Hydroxide	A-B
Ammonium Hydroxide, Concentrated	X
Ammonium Hydroxide, 3 Molar	X

Ammonium Muriate	A
Ammonium Nitrate	C-X
Ammonium Persulfate	B-X
Ammonium Persulfate – Solution	X
Ammonium Persulfate – 10%	X
Ammonium Phosphate	B
Ammonium Sulfate	A-B
Ammonium Sulfide	B
Ammonium Thiocyanide	B
Amorphous White Powder	X
Amyl Acetate	X
Amyl Acetic Ester	X
Amyl Alcohol	X
Amyl Carbinil	X
Amyl Chloride	C
Amyl Chloronaphthalene	X
Amyl Hydride	X
Amyl Naphthalene	X
Anderol L-774 (Di-Ester)	X
Anderol L-826 (Di-Ester)	X
Anderol L-829 (Di-Ester)	X
Ang-25 (Glycerol Ester)	X
Ang-25 (Di-Ester Base) (TG49)	X
Anhydrous Ammonia	X
Anhydrous Copper Chloride	A
Anhydrous Hydrazine	X
Aniline	X
Aniline, Light	C
Aniline Chloride	X
Aniline Dyes	X
Aniline Hydrochloride	X
Aniline Oils	X
Aniline Salts	X
Animal Fats	B
Animal Gelatin	C
Animal Glue	A
Animal Grease	A
Animal Oils (Lard Oil)	B
AN-0-3 Grade M	A
AN-0-6	A
AN-0-366	A
Anodynon	B
Ansul Ether	B
Ansul Ether 161 or 181	B
Ant Oil	X
Antichlor	A
Antimony Salts	B
AN-VV-0366B Hydraulic Fluid	B

Aqua Regia	X
Arachis Oil	B
Argent Nitras	A
Aromatic Fuel 50%	X
Aromatic Hydrocarbons	X
Aromatic Vinegar	B
Arsenic Acid	C
Arsenic Salts	B
Artificial Oil of Bitter Almonds	X
Artificial Vinegar	B
Askarel	X
Asphalt	B
ASTM – Ref: Fuel A	A
ASTM – Ref: Fuel B	B
ASTM – Ref: Fuel C	X
ASTM – Ref: #1 Oil	A-B
ASTM – Ref: #2 Oil	B
ASTM – Ref: #3 Oil	B
ASTM – Ref: #4 Oil	X
ATL-857	X
Atlantic Dominion F	B
Atlantic Ultra Gear – EP Lube	A
Alurex 903R – Mobil	A
Australene	B
Automatic Transmission Fluid	B
B	
Banana Oil	X
Banks Oil	A
Bardol “B”	X
Barium Carbonate	B
Barium Chloride (150°F, 65°C)	B
Barium Hydrate	B
Barium Hydroxide	B
Barium Monosulfide	A
Barium Salts	A
Barium Sulfate	A
Barium Sulfide	A
Bayol D	X
Bayol 35	B
Beer	X
Beet Sugar	X
Beet Sugar Liquors	X
Benzalchol	X
Benzaldehyde	X
Benzene (Benzol)	X
Benzene Carbonal	X
Benzene Carbonyl Chloride	X
Benzene Carboxylic Acid	X

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Benzene Methylal	X
Benzene Sulfonic Acid	X
Benzene Sulfonic Acid – 10%	X
Benzidam	X
Benzin	B
Benzine	B-C
Benzoic Acid	X
Benzoic Aldehyde	X
Benzol (German)	X
Benzol Hydride	X
Benzole (French)	X
Benzoline	B
Benzophenone	X
Benzoly Benzene	X
Benzoyl Chloride	X
Benzoyl Hydride	X
Benzyl Alcohol	X
Benzyl Chloride	X
Biborate of Soda	A
Biphenyl	X
Black Liquor	X
Black Liquor – Waste	X
Black Point 77	C
Black Sulfate Liquor	X
Black Fixe, Synthetic	A
Blast Furnace Gas	X
Bleach Solutions	X
Bleaching Powder	X
Blown Linseed Oil	B
Blue Copperas	A
Blue Jack	A
Blue Salts	A
Blue Stone	A
Blue Vitrol	A
Boghead Naphtha	C
Boiled Linseed Oil	B
Bone Oil	B
Boracic Acid	A
Borax	A
Bodeaux Misture	X
Boric Acid	A-B
Boron Fluids (HEF)	X
Brandol	B
Brandy	X
Bray GG-130	X
Brayco 719-R	X
Brayco 885	A
Brayco 910	C

Bret 710	C
Brine	A
Bromine	C-X
Bromine – Gas	X
Bromine Pentafluoride	X
Bromine Trifluoride	X
Bromine Water	X
Bromo Benzene	X
Bromo Chloro Trifluoro Ethane	X
Bromo Ethylene	X
Bronzing Liquid	X
Bruceite	A
Bunker Oil	B
Butadiene	X
Butadiene (Monomer)	X
Butanal (Butal)	X
Butane	C
Butane – 2.2 – Dimethyl	X
Butane – 2.3 – Dimethyl	X
Butanol (Butyl Alcohol)	X
Butanol – 1	X
Butanol – 2	X
Butanone	X
Butanone – 2	X
1 – Butene, 2 – Ethyl	X
Butoxyethanol	X
Butoxyethanol - 2	X
Butter (Animal Fat)	A
Butter of Tin	B
Butter of Zinc	A
Butyl Acetate	X
Butyl Acetyl Ricinoleate	X
Butyl Acid	C
Butyl Alcohol	C-X
Butyl Alcohol – Normal	C-X
Butyl Alcohol – Secondary	C-X
Butyl Aldehyde	X
Butyl Amine	X
Butyl Amine of N-Butyl Amine	X
Butyl Cellosolve	X
Butyl Cellosolve Adipate	X
Butyl Ether	B
Butyl Hydrate	X
Butyl Hydride	C
Butyl Hydroxide	X
Butyl Oxide	B
Butyl Tertiary Alcohol	X
Butylene	X

Butraldehyde	X
Butyronitrite	X
C	
Cajeputene	X
Calcine Liquors	X
Calcium Acetate	X
Calcium Bisulfate	A
Calcium Bisulfite	A
Calcium Carbonate	B-C
Calcium Chloride	A-B
Calcium Hydrate	A-B
Calcium Hydroxide (Caustic Lime)	C
Calcium Hypochloride	X
Calcium Hypochlorite	X
Calcium Nitrate	A-B
Calcium Oxychloride – 15%	X
Calcium Phosphate	A
Calcium Salts	A
Calcium Sulfate	B
Calcium Sulfide	A
Calcium Sulfite	A
Calcium Thiosulfate	A
Caliche Liquors	A
Candol	B
Cane Sugar	X
Cane Sugar Liquors	X
Caproic Aldehyde	X
Caproyl Alcohol	X
Caproyl Hydride	B
Capryl Alcohol	X
Caprylic Alcohol	X
Carbmate	X
Carbinol	X
Carbitol	X
Carbolic Acid	X
Carbolic Acid, Phenol	X
Carbon Bisulfide	C
Carbon Dioxide – Wet or Dry	A
Carbon Disulfide	C
Carbon Monoxide	A
Carbon Monoxide (Hot)	A
Carbon Tetrachloride	X
Carbonic Acid	A
N-Carbonic Acid	A
Carbonic Acid Gas	A
Carbonic Anhydride	A
Carboxy Methyl Chloride	X
Carrene	X

Castor Oil	A-B
Caustic Baryta	B
Caustic Lime	C
Caustic Potash	B
Caustic Soda	B
Cellosolve	X
Cellosolve Acetate	X
Cellosolve Butyl	X
Cellugard	X
Cellulube A60 (No Fyrquel)	X
Cellulube Hydraulic Fluids	X
Cellultherm 2505A	X
Cetane (Hexadecane)	X
Cetylic Acid	A
Chelen	B
China Bean Oil	B
China Wood Oil (Tung Oil)	C
Chinese Bean Oil	B
Chinese Wood Oil	C
Chloracetic Acid	X
Choratus	B
2 Chloroethanol	X
Chlorextol	X
Chloride of Lime	X
Chlorinated Diphenyl	X
Chlorinated Lime 35%	X
Chlorinated Salt Brine	X
Chlorinated Solvents (Wet or Dry)	X
Chlorine (Dry)	X
Chlorine (Wet)	X
Chlorine Dioxide	X
Chlorine Dioxide, 8% Cl as NaClO ₂ in Solution	X
Chlorine Peroxide	X
Chlorine Trifluoride	X
Chloro Acetic Acid	X
Chloro Acetone	X
x-Chloro Benzaldehyde	X
Chloro Benzene	X
Chlorobenzene, Mono	X
Chloro Benzol	X
Chloro Bromo Methane	X
Chloro Butadiene	X
2-Chloro 1.3 – Butadiene	X
1-Chloro 2.3 – Epoxypropane	X
Chlorododecane	X
Chloro Ethane	B
Chloro Ethanoic Acid	X

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Chloro Ethanol	X
Chloro Ethyl Alcohol	X
Chloroform	X
2-Chloro Hydroxy Ethane	X
Chloro Methane(Chloromethyl)	X
0-Chloro Napthalene	X
1-Chloro 1 – Nitro Ethane	X
0-Chloro Phenol	X
Chloro Prene	X
Chloro Propylene Oxide	X
Chlorosulfonic Acid	X
Chloro Toluene	X
x-Chloro Toluene	X
Chlorox	X
Chrome Plating Solutions	X
Chromic Acid	X
Chromic Acid – To 25%	X
Chromic Acid – Over 25%	X
Chromic Acid – 50%	X
Chromic Oxide – 88 WT % Aqueous Solution	X
Chromium Potassium Sulfate	B
Chrysolepic Acid	B
Cinene	X
Cinnamene	C
Circo Light Process Oil	A
Citric Acid	A
City Service – Koolmotor, AP Gear Oil 140 EP Lube	A
City Service - Pacemake # 2	B
City Service - #65, #120, #250	B
Coal Oil	B
Coal Tar – Creosote	B
Coal Tar Naptha (Naptha)	X
Cobalt Chloride	X
Coconut Oil (Butter)	B
Coconut Oil	B
Cod Liver Oil	A
Coffee	X
Coke Oven Gas	X
Colla	A
Cologne Spirits	X
Colonial Spirit	X
Columbian Spirits	X
Colza Oil	B
Common Salt	A
Convelex 10	B
Coolanol – Monsanto	X
Coanol 25 & 45 – Monsanto	X

Copper Acetate	X
Copper Chloride (Cupric Chloride)	A
Copper Chloride – Anhydrous	A
Copper Cyanide	A
Copper Salts	A
Copper Sulfate	A
Copper Sulfate – 10%	B
Copper Sulfate – 50%	C
Copra	A
Corn Oil	A
Corn Syrup (Sugar)	A
Cosmolin	A
Cottonseed Oil	A
Creosol	X
Cresol (Cresol's)	X
Cresote	B
Creosote – Coal Tar	C
Creosote – Wood Tar	C
Cresyl Alcohol	X
Cresyl Hydrate	X
Cresylic Acid	X
Crude Petroleum (Oil)	C
Cumene	X
Cupric Chloride	A-B
Cupric Cyanide	A
Cupric Nitrate	B
Cupric Sulfate	A
Cutting Oil	A
Cyclo Hexane	B
Cyclo Hexanol	X
Cyclo Hexanone	X
Cyclo Hexatriene	X
Cyclo Hexene	A
P-Cymene	X
D	
Danforth's Oil	C
D.B.P.	C
Decahydronaphthalene	X
Decalin (Deklin)	X
Decane	B
Dehydrated Alcohol	X
Dekalin	X
Denatured Alcohol	X
Detergent Water Solutions	X
Deuterium Oxide	X
Dextron	B
Dextrose	B
Diacetone	C

Diacetone Alcohol	C
Diamidogen	X
Diamine (Diamidogen)	X
Damino Ethane	X
Dibenzyl Ether	B
Dibenzyl Sebecate	C
1.2 Dibromo Ethane	X
Dibromo Ethyl Benzene	X
Dibutylacetate	X
Dibutyl Amine	X
Dibutyl Ether	B
Dibutyl Phthalate	C-X
Dibutyl Sebecate	X
Dicarboxylic Acid	X
0-Dichloro Benzene	X
P-Dichloro Benzene	X
Dichloro Butane	X
Dichloro Difluoro Methane (Freon 12)	A
1.1 Dichloro Ethane	X
1.2 Dichloro Ethane	X
Dichloro Isopropyl Ether	B
Dichloro Methane	X
Dicyclo Hexyl Amine	X
Diesel Oil	C
Di-Ester Lubricant, MIL-L-7808	X
Di-Ester Lubricants – Synthetic	X
Di-Methyl Anilia	X
Diethyl Amine	C
Diethyl Benzene	X
Diethyl Ether	A
Diethyl Oxide	A
Diethyl Sebecate	X
Diethylene Dioxide	X
Diethylene Glycol	X
Diethylene Glycol-Monoethyl Ether	X
Difluoro Dibromo Methane	X
Digalic Acid	A
Dihydro – Dioxin	X
Dihydrogen Sodium Phosphate	A
2.3 Dihydroxy Butanedioic Acid	A
Dihydroxy Ethane	B
Dihydroxy Succinic Acid	A
Diiso Butylene	X
Diiso Octyl Sebacate	X
Diiso Propilidene Acetone	X
Diiso Propyl Ketone	X
Dimethyl	C
Dimethyl Benzene	X

Dimethyl Carbinol	X
Dimethyl Ketal	X
Dimethyl Ketone	X
Dimethyl Methane	C
Dimethylene Oxide	X
Demetnlyl Acetamide	X
Dimetnlyl Formamide	X
Dinitro Toluene	X
Diocetyl Phthalate	X
Diocetyl Sebecate	B
Diols	B
Dioxane (Dioxan)	X
Dioxane (Diethylene Ether)	X
Dioxolane's (Dioxolan's)	X
Dipentene	X
Diphenyl	X
Diphenyl – Chlorinated	X
Diphenyl Ketone	X
Dippel's Oil	B
Distilled Vinegar	B
Diuretic Salt	X
Dodecyl Mercaptan	B
Dow Chemical – ET378	B
Dow Corning 3	A
Dow Corning 4.5, 11.33	A
Dow Corning 44, 55, 200, 220, 510, 550	A
Dow Corning 710, 1208, 4050, 6620	A
Dow Corning F60, XF60	A
Dow – F61	A
Dow Guard	C
Dowtherm A	X
Dowtherm E	X
Dowtherm Oil	B
Drinking Water	A
Dry Cleaning Fluids	X
Dry Cleaning Solvent	A
DTE Light Oil	B
Dutch Liquid	X
E	
Earthnut Oil	B
Earth Pitch	B
Elayl Chloride	X
Elco 28-EP Lubricant	A
Epichlorohydrin	X
Epichlorohydrine	X
1.2 Epoxy Ethane	X
Essence Noibe	X
Essence of Mirbane (Myrbane)	X

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Esso Fuel 208	X
Esso Golden Gasoline	X
Esso Motor Oil	X
Esso Transmission Fluid (Type A)	C
Esso WS2812	X
Esso XP90-EP Lubricant	A
Esstic 42, 43	B
Ethalic Acid	A
Ethanal	X
Ethanamide	X
Ethane	C
1.2 Ethane Diamine	X
Ethane Dioic Acid	X
1.2 Ethane Diol	B
Ethanoic Anhydride	X
Ethanol	X
Ethanol 100%	X
Ethanol Amine	C
Ethanoyl Chloride	X
Ether's	B
Ethocel	B
Ethoxy Benzene	X
Ethoxy Ethane	A
Ethoxy Ethanol	X
2-Ethoxy Ethanol	X
Ethyl Acetate (Organic Ester)	X
Ethyl Aceto Acetate	X
Ethyl Acrylate	X
Ethyl Acrylic Acid	X
Ethyl Alcohol (Ethanol)	C-X
Ethyl Aldehyde	X
Ethyl Benzene	X
Ethyl Benzoate	X
Ethyl Bromide	C-X
Ethyl Cellosolve	X
Ethyl Cellulose	B
Ethyl Chloride	B-X
Ethyl Chloro Carbonate	X
Ethyl Chloro Formate	X
Ethyl Cyclopentane	A
Ethyl Dichloride	X
Ethyl Ether	X
Ethyl Formate	X
Ethyl Hexanol	X
Ethyl Hydrate	X
Ethyl Hydride	C
Ethyl Methyl Carbinol	X
Ethyl Methyl Ketone	X

Ethyl Oxalate	A
Ethyl Oxide	B
Ethyl-3 Oxobutanoate	X
Ethyl Pentachio Benzene	X
Ethylene Acetate	X
Ethylene Chloride	X
Ethylene Chlorhydrin	X
Ethylene Chlorohydrin	X
Ethylene Diamine	X
Ethylene Dichloride	X
Ethylene Glycol	B
Ethylene Glycol Monoethyl Ether Ace	X
Ethylene Glycol Monomethyl Ether	X
Ethylene Monoacetate	X
Ethylene Oxide	X
Ethylene Oxide (12%) & Freon 12 (80%)	X
Ethylene Trichloride	X
Ethylic Alcohol	X
Ethylic Ether	A
Etner	B
Etnyl Acetate	X
Etnyl Alcohol (Etnanol)	C
F	
F-60 & F-61 Fluid (Dow Corning)	A
Fermentation Amyl Alcohol	X
Ferric Chloride	A-B
Ferric Dichloride	A
Ferric Nitrate	A-B
Ferric Sesqui Chloride	A-B
Ferric Sesqui Sulfate	A-B
Ferric Subsulfate	A
Ferric Trichloride	A
Ferrous Chloride	B
Ferrous Sulfate	B
Firedamp	B
Flaxseed Oil	B
Fluo Silicic Acid	B
Formaldehyde	B-X
Formalin	X
Formic Acid (Formylic Acid)	X
Formic Aldehyde – 40%	X
Formonitrile	C
Formyl Triiodide	X
Fossilin	A-C
Freon 11	C-X
Freon 12	A-C
Freon F-12	A-C
Freon 13	A-C

Freon 13B1	A-C
Freon 14	A-C
Freon 22	C-X
Freon T P 35	A-C
Freon 113	B-C
Freon C316	A-C
Freon T WD602	A-C
Freon PCA	A-C
Freon TA	A-C
Freon TC	A-C
Freon TF	A-C
Freon TMC	B
Fuel Oil	B-C
Fuel Oil – Acidic	B
Fuel Oil #6	B
Fuels – ASTM Ref: Fuel A	A
Fuels – ASTM Ref: Fuel B	B
Fuels – ASTM Ref: Fuel C	X
Fuels – ASTM # 1 Oil	A
Fuels – ASTM # 2 Oil	B
Fuels – ASTM # 3 Oil	B
Fuels – ASTM # 4 Oil	X
Fumarole Acid	X
Fuming Sulfuric Acid	X
Furaldehyde	X
2-Furaldehyde	X
2-Furancarbal	X
Furfural (Furfural)	X
Furfuraldehyde	X
x-Furfuraldehyde	X
Furfuryl Alcohol	X
Furturyl Aldehyde	X
Furol	X
Furyl Carbinol	X
Fused Magnesium Chloride	A
Fusel Oil	X
Fyrquel A60	X
Fyrquel 90, 100, 150, 220, 300	X
G	
G.A.J.	X
Gallic Acid	X
Gallotannic Acid	A
Gasoline – (Gasolene)	B
Gasoline – 65 Octane	B
Gelatin	C
Generator Gas	A
German Saltpeter	X
Glacial Acedic Acid	X

Glauber's Salt	A
Glucose	B
Glue (Animal)	A
Glycerin	B
Glycerine	B
Glycerinum	B
Glycerol	B
Glyceryl Hydroxide	B
Glyceryl Triacetate	B
Glycol	B
Glycol Acetate	X
Glycol Acid	B
Glycol Butyl Ether	X
Glycol Chlorohydrin	X
Glycol Diacetate	X
Glycol Dibromide	X
Glycol Dichloride	X
Glycol Ethyl Ether	X
Glycol Monoacetate	X
Glycols	B
Grain Alcohol	X
Grain Oil	X
Grape Sugar	B
Grease, Light	A-B
Green Copperas (Vitroil)	A
Green Sulfite Liquor	A
Groundnut Oil	B
Gulf Crown Grease	A
Gulf Endurance Oils	A
Gulf FR – Fluids (Emulsion)	A
Gulf FR - G-Fluids	B
Gulf FR - P-Fluids	X
Gulf Harmony Oils	A
Gulf High Temperature Grease	A
Gulf Legion Oils	A
Gulf Paramount Oils	B
Gulf Security Oils	B
H	
Halite	A
Halothane	X
Hannifin Lube A	A
Hartshorn	A
Heavy Water	X
HEF-2 (High Energy Fuel)	X
Helium	A
Hepar Calcis	A
Heptane	B
x-Heptane	B

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Heptyl Carbinol	X
Heptyl Hydride	B
Hexa Decane	X
Hexa Decanoic Acid	X
Hexa Hydro Benzene	A
Hexa Hydro Phenol	X
n-Hexaldehyde	B
Hexalin	X
Hexa Methylene	B
Hexa Napthene	A
Hexane	B
n-Hexane-1	B
Hexanol	X
Hexene	A
Hexone (Hexon)	X
Hexyl Alcohol (Hexanol)	X
Hexyl Hydride	B
Hexylene	A
High Viscosity Lubricant U4	X
High Viscosity Lubricant H2	X
Hilo MS 1	X
Houghto-Safe 271 (Glycol Base)	X
Houghto-Safe 620 Water/Glycol	X
Houghto-Safe 1120 Phosphate Ester	X
Houghto-Safe 5040 (Water/Oil Emulsion)	X
Hydrargyrum	A
Hydrated Baryta	B
Hydrated Lime	C
Hydraulic Fluids (Pydrauls)	X
Hydraulic Oil (Petroleum)	A
Hydrazine	X
Hydrazine-Anhydrous	X
Hydro Bromic Acid	B-X
Hydrobromic Acid – 40%	X
Hydro Carbons – Allcyclic	B
Hydro Carbons – Allphatic	B
Hydro Carbons – Aromatic	X
Hydro Carbons – Saturated	B
Hydrochloric Acid – 10% 6.6 BE	B
Hydrochloric Acid – 20%	C
Hydrochloric Acid – 25% 16.0 BE	X
Hydrochloric Acid – 38% 30.1 BE	X
Hydrochloric Acid – 50%	X
Hydrochloric Acid – 100%	X
Hydrochloric Acid, Concentrated	X
Hydro Chloric Ether	B
Hydro Cyanic Acid	C
Hydro-Drive MIH-10 (Petroleum Base)	B

Hydro-Drive MIH-50 (Petroleum Base)	B
Hydro Fluoric Acid – 10%	X
Hydro Fluoric Acid – 50% 24.0 BE	X
Hydro Fluoric Acid – 75% 30.1 BE Hot	X
Hydrofluosilicic Acid	B
Hydrogen Cyanide	C
Hydrogen Dioxide – 90%	C
Hydrogen Gas	A-B
Hydrogen Oxide	C
Hydrogen Peroxide – 90%	B-C
Hydrogen Sulfide – Dry, Cold	B
Hydrogen Sulfide – Dry, Hot	B-X
Hydrogen Sulfide – Wet, Cold	B
Hydro Lube – Water/Ethylene Glycol	X
Hydroxy Benzene	X
Hydroxy Butane	X
1-Hydroxy – 2-Chlorethane	X
Hydroxy Ether	X
Hydroxy Ethyl Acetate	X
Hydroxy Ethyl Amine	C
B-Hydroxy Ethyl Amine	C
Hydroxy Formic Acid	A
x-Hydroxy Toluene	X
Hyjet	X
Hyjet – III	X
Hyjet – S	X
Hyjet – W	X
Hypnone	X
Hypo	A
I	
Industron FF44	B
Industron FF48	B
Industron FF53	B
Industron FF80	B
Iodine (Iodum)	X
Iodine Pentafluoride	X
Iodo Form	X
Iron Chloride	A
Iron 3 – Chloride	A
Iron Dichloride	A
Iron Sesquichloride	A
Iron Susquisulfate	A
Iron Tersulfate	A
Iron Trichloride	A
Iron Vitrol	A
Ironic Chloride	A
Isoamyl Acetate	X
Isoamyl Acetic Ester	X

Isoamyl Alcohol	C
Isobutanol	X
Isobutyl Alcohol	X
Isobutyl Aldehyde	C
Isobutyl Carbinol	C
Iso Octane	B-C
Iso Phorone (Ketone)	X
Iso Propanol	C-X
Isopropyl Acetate	X
Isopropyl Alcohol	X
Isopropyl Benzene	X
Isopropyl Carbinol	X
Isopropyl Chloride	X
Isopropyl Ether	B
Isopropyl Toluene	X
p-Isopropyl Toluene	X
J	
Jet Fuels: JP-1.a and Al	B
Jet Fuels: JP-3	B
Jet Fuels: JP-4	B
Jet Fuels: JP-5	B
Jet Fuels: JP-6	X
Jew's Pitch	B
K	
Kalilauge	B
Kandol	B
Kelene	B
Kerosene (Kerosine)	B
Keystones – 87HX, Grease	A
Ketones: Aliphatic, Saturated	X
Ketones: Aliphatic, Unsaturated	X
Ketones: Aromatic	X
Kinetic 12	A
Krystallin	C
Kyanol	X
L	
Labarraque's Solution 20%	X
Lacquer Solvents	X
Lacquers	X
Lactic Acid	B
Lard (Animal Fat)	A
Laurene	B
Lavender Oil	X
Lead Acetate	B-X
Lead Sugar	X
Lehigh: X1169 & X1170	A
Light Aniline	C
Light Grease	A

Ligroin (Ligroine)	A
Lilacin	B
Lime-Agricultural	A
Lime Caustic	C
Lime – 35% Chlorinated	X
Lime Saltpeter	A
Lime Bisulfite	A
Lime Hydrate	A
Lime Nitrate	A
Lime Soda	C
Lime and Water	A
Lindol, Hydraulic Fluid	X
Linseed Oil	B
Linseed Oil, Blown	B
Linseed Oil, Boiled	B
Liquid Oxygen	X
Liquid Silver	A
Liquid Petroleum Gas (LPG)	A
Liquor, Black	X
Liquor, Black-Waste	X
Liquor – Caliche	A
Liquor – Calcine	X
Liquor, Green Sulfate	A
L.P.G.	A
Luboil – Lube Oils	B
Lubricating Oils, Petroleum Base	B
Lubricating Oils: SAE 10, 20, 30, 40, 50	B
Lumarith E.C.	B
Lye	C
Lye Solutions	C
M	
Maddrell's Salt	A
Magma Magnesia	A
Magnesium Chloride	A
Magnesium Hydrate	C
Magnesium Hydroxide	C
Magnesium Salts	A-B
Magnesium Sulfate (150°F, 65°C)	A
Maize Oil	A
Malaic Acid	C-B
Maple Sugar Liquors	X
Marsh Gas	B
MCS 352	X
MCS 463	X
M.E.K.	X
Mercuric Chloride	B
Mercurius	A
Mercury	A-B

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Mesityl Oxide (Ketone)	X
Methacrylic Acid	X
Methanal	X
Methanal – 40%	X
Methane	C
Methanoic Acid	X
Methanol	C-X
Methenyl Iodide	X
2-Methoxy – 1-Hydroxy – 4-Methylbenzene	X
Methoxy Ethanol	X
Methyl Acetal	X
Methyl Acetate	X
Methyl Aceto Acetate	X
Methyl Acrylate	X
Methyl Acrylic Acid	X
Methyl Alcohol (Methanol)	X
Methyl Benzene	X
Methyl Benzoate	X
Methyl Bichloride	X
Methyl Bromides	X
2-Methyl Butanol	C
Methyl Butyl Ketone	X
Methyl Carbonate	X
Methyl Cellosolve	X
Methyl Cellulose	B
Methyl Chloride	X
Methyl Chloroformate	X
Methyl Cyclopentane	X
Methyl D-Bromide	X
1-Methyl Ethanol	X
Methyl Ethyl Ketone (MEK)	X
Methyl Ethyl Ketone Peroxide	X
Methyl Formate	B
Methyl Hydrate	X
Methyl Hydride	C
Methyl Hydroxide	X
Methyl Isobutyl Ketone (MIBK)	X
Methyl Isopropyl Ketone	X
Methyl Methane	C
Methyl Oleate	X
Methyl Phenol	X
Methyl Propanol	X
Methyl Salicylate	X
Methylated Spirits	X
Methylene Chloride	X
Methylene Oxide	X
M.I.B.	X
MIL-D-5606 OIL	C

MIL-L-644-B	C
MIL-L-2104-B	A
MIL-L-2105-B	A
MIL-G-2108	A
MIL-S-3136-B Type I Fuel	B
MIL-S-3136-B Type II Fuel	C
MIL-S 3136-B Type III Fuel	C
MIL-S-3136-B Type IV Oil Low Swell	A
MIL-S-3136-B Type V Oil Med. Swell	B
MIL-S-3136-B Type VI Oil High Swell	B
MIL-S-3136-B Type VII	C
MIL-L-3150-A	B
MIL-G-3278	B
MIL-L-3503	B
MIL-O-3503	A
MIL-G-3545	A
MIL-L-3545-B	C
MIL-C-4339-C	X
MIL-G-4343-B	A
MIL-L-4343	A
MIL-L-5020-A	B
MIL-J-5161-F	C
MIL-C-5545-A	C
MIL-H-5559-A	C
MIL-F-5566	X
MIL-G-5572	B
MIL-F-5602	B
MIL-H-5606-B	B
MIL-J-5624-G	B
MIL-L-6081-C	B
MIL-L-6082-C	A
MIL-H-6083-C	B
MIL-L-6085-A	C
MIL-L-6086-B	A
MIL-A-6091	A
MIL-L-6387-A	B
MIL-C-6529-C	C
MIL-C-7024	A
MIL-F-7024-A	B
MIL-H-7083	X
MIL-G-7118-A	C
MIL-G-7187	A
MIL-G-7421-A	B
MIL-H-7644	C
MIL-L-7645	C
MIL-G-7711-A	A
MIL-L-7808-F	X
MIL-L-7870-A	X

MIL-C-8188	X
MIL-A-8243-B	C
MIL-L-8383-B	A
MIL-H-8446-B	X
MIL-I-8660-B	A
MIL-L-9000-F	C
MIL-T-9188-B	X
MIL-L-9236-B	X
MIL-E-9500	X
MIL-L-10295-A	B
MIL-L-10324-A	B
MIL-G-10294-B	B
MIL-L-11734-B	C
MIL-O-11773	C
MIL-P-12098	C
MIL-H-13862	B
MIL-H-13866-A	B
MIL-H-13910-B	X
MIL-H-13919-A	B
MIL-L-15016	A
MIL-L-15017	A
MIL-L-15018-B	A
MIL-L-15019-C	A
MIL-L-15719-A	X
MIL-G-15793	C
MIL-F-16884	C
MIP-F-16929-A	C
MIL-L-16958-A	B
MIL-F-17111	C
MIL-17331-D	A
MIL-17353-A	B
MIL-L-17672-B	A
MIL-L-18486-A	A
MIL-G-18709-A	A
MIL-H-19457-B	X
MIL-F-19605	C
MIL-L-19701	C
MIL-L-21260	A
MIL-G-21568-A	A
MIL-H-22072	C
MIL-L-22396	A
MIL-L-23699-A	C
MIL-G-23827-A	C
MIL-G-25013-D	C
MIL-F-25172	C
MIL-L-25336-B	C
MIL-F-25524-A	C
MIL-G-25537-A	B

MIL-F-25558-B	B
Milk	A
Mineral Oil	A-B
Mobil Arctic Oil	A
Monobrom Benzol	X
Monochlor Benzol	X
Mono Methyl Aniline	X
Monse's Salt	A
Morrhua Oil	A
Motor Spirits	B
Muriatic of Ammonia	A
N	
Naphtha	C
Naphtha – Boghead	C
Naphtha – Coal Tar	X
Naphthalene (Naphthaline)	B
Naphthalin	B
Naphthene	B
Natural Gas	B
Neatsfoot Oil	A
Neon	A
Nickel Acetate	X
Nickel Chloride	C
Nickel Salts	C-X
Nickel Sulfate	C
Nickelous Acetate	X
Nickelous Chloride	C
Nickelous Sulfate	C
Niter Cake	A
Niter-Potassium Nitrate	A
Nutaric Acid – 10% 7.5 BE	C
Nitric Acid – 25%	C
Nitric Acid – 35% 26.0 BE	C
Nitric Acid – 50%	X
Nitric Acid – 69% 42.1 BE	X
Nitric Acid – 86% 46.5 BE	X
Nitric Acid – Concentrated	X
Nitric Acid – Crude	X
Nitric Acid – Dilute	C
Nitric Acid –Inh'btd. Red Fum. (IRFNA)	X
Nitric Acid – Red Fuming (RFNA)	X
Nitric Acid – 3 Molar	X
Nitro Benzene	X
Nitro Benzol	X
Nitro Calcite	X
Nitro Carbol	X
Nitro Ethane	X
Nitrogen	A

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Nitrogen Tetrozide	X
Nitro Hydrochloric Acid	X
Nitro Methane	X
Nitro Muriatic Acid	X
Nitro Propane	X
Nitro Xanthic Acid	B
Nordhausen Acid	X
Norge Niter	X
Norge Saltpeter	X
Normal Hexane	B
Normal Potassium Sulfate	A
Norway Saltpeter	X
Norwegian Saltpeter	A
O	
O-A 548A	C
Octa Chloro Toluene	X
Octa Decane	A
Octa Decanoic Acid	A
9-Octa Decanoic Acid	B
Octane	X
Octanol	X
n-Octodecylic Acid	A
Octyl Alcohol	X
Octylic Alcohol	X
Oil of Acetone	X
Oil of Bitter Almonds (Artificial)	X
Oil of Katchung	B
Oil of Maize	A
Oil of Mirbane	X
Oil of Palma Christi	A
Oil of Turpentine	X
Oleic Acid	B
Oleinic Acid	B
Oleum Bubulum	A
Oleum (Fuming Sulfuric Acid)	X
Oleum Gossypili Seminis	A
Oleum Lini	B
Oleum Morrhaue	A
Oleum Spirits	C
Olive Oil	A
Oronite 8200	A
Oronite 8515	A
Ortho Boric Acid	A
Ortho Chloro Ethyl Benzene	X
Ortho Dichloro Benzene	X
OS 45 Type III (OS45)	X
OS 45 Type IV (OS45 -1)	X
OS 70	X

O-T 634B	X
Oxalic Acid	X
Oxelic Acid (5%)	A
2.2' - Oxybis Ethanol	X
Oxygen - Cold	A
Oxygen - 250 - 400°F (120 - 200°C)	X
Oxygen - Liquid	X
Oxymuriate of Tin	B
Ozone	A
P	
Paints	A-B
PS-6618	C
PO-680	C
Paint Thinner Ducco	X
Palmic Acid	A
Palmitic Acid	A
Par-al-Ketone	X
Para Dichloro Benzene	X
Para Dichloro Benzine	X
Para Dow	X
Paraffin	B
Parrafin Ointment	A
Para Xylene	C
Parker O Lube	A
Peanut Oil	B
Pear Oil	X
Pentane	X
Pentane - 2.4 Dimethyl	X
2.4 - Pentane Dione	C
Pentane - 2 Methyl	X
Pentane - 3 Methyl	X
Pentanol	X
Pentyl Acetate	X
Perchlorethylene	X
Perchloric Acid	X
Perchloro Ethylene	X
Peroxide - 90%	C
Petrol	B
Petrolatum	A
Petrolene	B
Petroleum Benzin	B
Petroleum Ether (Ligroin)	B
Petroleum Gas - Liquid (LPG)	A
Petroleum Jelly	A
Petroleum Naphtha	B
Petroleum Oil - Above 250°F (120°C)	X
Petroleum Oil - Below 250°F (120°C)	B
Petroleum Oil Crude	C

Petroleum Pitch	B
Petroleum Spirit	B
Phene	X
Phenethylene	C
Pheneotoie (Phenetol)	X
Phenic Acid	X
Phenmethylo	X
Phenol	X
Phenol - 70%/30% H2O	X
Phenol - 85%/15% H2O	X
Phenol Carbolic Acid	X
Phenoxetol	B
Phenoxin	X
Phenyl Acetate	X
Phenyl Aldehyde	X
Phenyl Amine	X
Phenyl Benzene	X
Phenyl Bromide	X
Phenyl Carbinol	X
Phenyl Chloride	X
Phenyl Ethane	X
Phenyl Ethyl Ether	X
Phenyl Ethylene	C
Phenyl Formic Acid	X
Phenyl Hydride	X
Phenyl Hydroxide	X
Phenyl Methane	X
Phenyl Methyl Ketone	X
Phenyl Nitrite	X
Phenylic Acid	X
Phlorose	B
Phorone	X
Phosphoric Acid - 10%	A
Phosphoric Acid - 20%	A
Phosphoric Acid - 50%	A
Phosphoric Acid - 85%	A
Phosphoric Acid - Concentrated	A
Photogen	C
Phthoric Acid	X
Pickle Alum	A
Pickling Solution	X
Picranisic Acid	B
Picric Acid	B
Picric Acid - Molten	B
Picric Acid - Water Solution	B
Picronitric Acid	B
Pimelinketone	X
Pine Cone Oil	X

Pine Tar	X
Pinene	B
Piperidine	X
Pitch	B
Pix Liquida	X
Plating Solution - Chrome	X
Plumbous Acetate	X
Pneumatic Service	A
Potash	B
Potash - Caustic	B
Potassa	B
Potassii	X
Potassii Chloridum	A
Potassii Hydroxidum	B
Potassii Nitras	A
Potassii Sulfas	A
Potassium Acetate	X
Potassium Acid Chromate	B
Potassium Bichromate	B
Potassium Chloride	A
Potassium Cupro Cyanide	A
Potassium Cyanide	A
Potassium Dichromate	B
Potassium Hydrate	B
Potassium Hydroxide	B
Potassium Monosulfide	A
Potassium Muriate	A
Potassium Nitrate	A
Potassium Nitrite	A
Potassium Salts	A-B
Potassium Sulfate	A
Potassium Sulfide	A
Potato Oil	C
Potato Spirit	X
Prestone Antifreeze	X
PRL - High Temp Hydro Oil	B
Producer Gas	A
Propane	B-C
Propane Propionitrile	X
Propanetriol	B
1, 2, 3-Propanetriol	B
Propanal	X
2-Propanone	X
Propene Oxide	X
Propenyl Hydrate	X
Propyl Acetate	X
Propyl Acetone	X
Propyl Alcohol (Propanol)	C-X

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Propyl Carbinol (Normal)	X
Propylene Glycol	B
Propylene Oxide	X
Prussic Acid	C
Pydraul. 30E, 50E, 65E, 90E	X
Pydraul. 115E	X
Pydraul. 230E, 321C, 540C	X
Pyracetic Acid	X
Pyranol	B
Pyranol – Transformer Oil	B
Pyrene	C
Pyrex	X
Pyridine (Oil)	X
Pyroacetic Spirit	X
Pyrogallol Carboxylic Acid	X
Pyrogard – 42, 43, 53, 55, (Phosphate Ester)	X
Pyrogard - C.D.	X
Pyroligneous Acid	X
Pyroligneous Spirit	X
Pyrolube	X
Pyromucic Aldehyde	X
Pyroxylic Spirit	X

Q

Quicksilver	A
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R

Radiation	A
Rape Oil	B
Rapeseed Oil	B
Raw Linseed Oil	B
Red Line – 100 Oil	A
Red Oil	B
Ricinus Oil (Ricinine)	A
RJ-1	B
Rock Salt	A
Roman Vitroil	A
RP-1	C
Rosin Oil	A
Rum	X

S

Saccharobiose	X
Saccharose	X
Saccharum Amylaceum	B
Saccharum Solutions	X
SAE Oil's	A-B
Sal Ammoniac	A
Sal De Duobus	A
Sal Prunella	A

Salimiak (Salmiac)	A
Salt Brine – Chlorinated	X
Salt Cake	A
Salt of Lemery	A
Salt Water*	A
Saltpeter Ammonium Nitrate	X
Saltpeter Calcium Nitrate	A
Saltpeter Potassium Nitrate	A
Sand Acid	B
Santo Safe 300	X
Sea Salt	A
Sea (Salt) Water*	A
Seed Oil	A
Sewage (Sewerage)	X
Shale Naphtha	B
Shell – Aero 1AC	A
Shell – Aero 7A Grease	A
Shell – Aero 17 Grease	A
Shell – Aero 750	X
Shell Alvania Grease #2	A
Shell – Carnea 19 and 29	B
Shell – Diala	B
Shell – Iris 905	A
Shell – Iris 3XF Mine Fluid	X
Shell – Iris Tellus #27 & #33	A
Shell – Iris UMF (5% Aromatic)	A
Shell – Lo Hydrax 27 & 29	B
Shell – Macoma 72	B
Shell Sup. Gas	B
Sherwood Oil	B
Sieman's Gas	A
Silent Spirit	X
Silicic Acid	B
Silicate Esters	A
Silicofluoric Acid	B
Silicone Oils & Greases	A
Silver – Liquid	A
Silver Nitrate	A-B
Sinclair – Opaline CX. EP Lube	A
Skydrol – 500	X
Skydrol – 7000	X
Slaked Lime	C
Soap Solutions	A-C
Socony – Mobile Type A	B
Socony Vacuum – AMV AC781 (Grease)	B
Socony Vacuum – PD959B	A
Soda	B
Soda Alum	A

Soda – Biborate of	A
Soda – Lime	C
Soda – Caustic	B
Sodii Hydroxidum (U.S.P.)	B
Sodium Acetate	B-X
Sodium Acid Carbonate	A
Sodium Alum	A
Sodium Aluminum Sulfate	A
Sodium Bicarbonate	B
Sodium Bichromate	A
Sodium Biphosphate	A
Sodium Bisulfate of Bisulfite	B-X
Sodium Borate	B
Sodium Carbonate	B
Sodium Chlorate	B
Sodium Chloride	A-B
Sodium Cyanide	B
Sodium Dichromate	A-B
Sodium Dimeta Borate	A
Sodium Dioxide	X
Sodium Ferrocyanide	B
Sodium Fluoride	B-C
Sodium Hydrate	B
Sodium Hydro Chlorite	X
Sodium Hydrosulfite	B
Sodium Hydroxide	B
Sodium Hydroxide – 3 Molar	B
Sodium Hypo Chlorite	X
Sodium Hypo Chlorite – 5%	X
Sodium Hypo Chlorite – 20%	X
Sodium Hyposulfite	A
Sodium Metaphosphate	X
Sodium Nitrate	B
Sodium Orthophosphate	A
Sodium Perborate	X
Sodium Peroxide	X
Sodium Phosphate (Dibasic)	A
Sodium Phosphate (Mono)	A
Sodium Phosphate (Tribasic)	A
Sodium Pyro Borate	A
Sodium Salts	A
Sodium Silicate	A-B
Sodium Subulfite	A
Sodium Sulfate – Anhydrous	A-B
Sodium Sulfide	A-B
Sodium Sulfite	A-B
Sodium Sulphate	A-B
Sodium Superoxide	X

Sodium Thiosulfate (HPO)	A
Solene	B
Sovasol – No. 1, 2 & 3	B
Sovasol – No. 73 & 74	B
Solvents – Chlorinated (Wet or Dry)	X
Soya Oil (Soy Oil)	B
Soybean Oil	B
Sperry Oil	B
Spirit	X
Spirits of Hartshorn	A
Spirits of Turpentine	X
Spirits of Vinegar	B
Spirits of Wine	X
Spry	A
SR-6 Fuel	B
SR-10 Fuel	B
Standard Oil – Mobilube GX90-EP Lube	A
Stannic Chloride	B
Stannous Chloride	X
Stannous Chloride – 15%	X
Starch Syrup (Sugar)	A
Steam – To 225°F (105°C)	X
Steam – 225 - 300°F (105 - 150°C)	X
Steam – Over 300°F (150°C)	X
Stearic Acid	A-B
Stoddard's Solvent	A
Styrene	B-C
Styrene – Monomer	C
Styrol	C
Styrolene	C
Sucrose Solutions	X
Sugar of Lead	X
Sugar Liqueurs – Cane, Beet & Maple	X
Sulfur	B
Sulfur – 250°F (120°C)	X
Sulfur Chloride	B
Sulfur Dioxide	B-C
Sulfur – Molten	X
Sulfur Trioxide (Dry)	B
Sulfurated Lime	A
Sulfuric Acid – 10% 9 BE	C
Sulfuric Acid – 25%	X
Sulfuric Acid – 50% 41 BE	X
Sulfuric Acid – 60% 48 BE	X
Sulfuric Acid – 75% 58 BE	X
Sulfuric Acid – 95% 66 BE	X
Sulfuric Acid – 100%	X
Sulfuric Acid – Concentrated	X

PHYSICAL PROPERTIES

A - Excellent B - Good C - Fair X - Poor (do not use)

Sulfuric Acid – Dilute	C
Sulfuric Acid – Fuming	X
Sulfuric Acid – Oleum	X
Sulfuric Acid – 3 Molar	C
Sulfuric Ether	B
Sulfurous Acid – 10%	X
Sulfurous Acid – 10% to 75%	X
Sulfurous Acid – 100%	X
Sunoco – SAE #10	A
Sunoco - #3661	A
Sunoco – All Purpose Grease	A
Sunsafe (Fire Resist. Hydr. Fluid)	X
Swan – Finch EP Lube	A
Swan – Finch Hypoid – 90	A
Sweet Oil	B
Synthetic Blanc Fixe	A
T	
Table Salt	A
Tallow	A
Tan	A
Tannic Acid	A-X
Tannin	A
Tanning Liquor	X
Tar	X
Tar Camphor	B
Tarcanum	A
Tartaric Acid	A
Tartarus Vitriolatus	A
T.C.P.	C
Tea	B-X
Terebenthene	X
Terebinthia	X
Terpene	X
Terpenes	X
Terpineol (Terpilenol)	B
Tertiary Butyl Alcohol	X
Tertiary Butyl Catechol	X
Tertiary Butyl Mercaptan	X
Tetra Bromo Methane	X
Tetra Chloro Ethylene	X
Tetra Chloro Methane	X
Tetra Hydro Benzene	A
Tetra Hydro Furan	C
Tetrane	C
Texaco – Capelia A & AA	B
Texaco – 3450 Gear Oil	A
Texaco – Meropa #3	B
Texaco – Regal B	A

Texaco – Uni-Temp. Grease	A
Texamatic “A” Transmission Oil	B
Texamatic “A” 1581 Fluid	B
Texamatic “A” 3401 Fluid	B
Texamatic “A” 3525 Fluid	B
Texamatic “A” 3528 Fluid	B
Texas 1500 Oil	A
Thenardite	A
Tidewater Oil – Beedol	A
Tidewater Oil Multigear 140, EP Lube	A
Tin Bichloride	B
Tin Chlorides	B
Tin Crystals	B
Tin Dichloride	B
Tin Protochloride	B
Tin Salt	B
Tincal (Tinkal)	A
Titanic Chloride	X
Titanium Tetra Chloride	C-X
Toilet Vinegar	B
Toluene (Toluol)	X
Toluol (Toluole)	X
Transformer Oil	C-X
Transmission Fluid – Automatic	B
Transmission Fluid – Type “A”	C
Treacle	X
Triacetin	X
Triaryl Phosphate	X
Tributoxyl Ethyl Phosphate	X
Tributyl Phosphate	X
Trichloro Ethylene	X
Trichloro Acetic Acid	X
Trichloro Ethane	X
Trichloro Ethylene	X
Trichloro Methane	X
Tricresyl Phosphate	X
Triethanol Armine (Tea)	B-X
Trifluora Ethane	X
Trihydroxy Benzoic Acid	X
2,3,4-Trihydroxy Benzoic Acid	X
3,4,5-Trihydroxy Benzoic Acid	X
Trihydroxy Triethyl Amine	X
Triiodo Methane	X
Trilene	X
Trimethyl Pentane	B
2,3,4-Trimethyl Pentane	B
2,3,4-Trimethyl – 1 Pentane	X
Trinidad Pitch	B

Trinitro Phenol	B
2,4,6-Trinitro Phenol	B
Trioctyl Phosphate	X
Tripoly Phosphate	X
Trisodium Phosphate	A
Tritolyl Phosphate	X
TT-N-95A	C
TT-N-97B	C
TT-I-735B	B
TT-S-735, Type I	B
TT-S-735, Type I & III	C
TT-S-735, Type IV	A
TT-S-735, Type V & VI	B
TT-T-656B	X
Tung Oil (China Wood Oil)	C
Turbine Oil	A
Turbine Oil - #15 (MIL-L-7808)	X
Turbo Oil - #35	A
Turpentine	X
Type I Fuel (MIL-S-3136 ASTM: Fuel A)	B
Type II Fuel (MIL-S-3136)	B
Type III Fuel (MIL-S-3136 ASTM: Fuel B)	B
U	
Ucon – Hydrolube Oils	X
Ucon – Hydrolube J-4	X
Ucon – Lubricant LB-65	X
Univis 40 (Hydr. Fluid)	A
Univolt #35 (Mineral Oil)	A
Urea	B
V	
Varnish	C
Vaseline	A
Vegetable	A-B
Versilube – F44 & F50	A
Vinegar	X
Vinegar – Aromatic	B
Vinegar – Distilled	B
Vinegar Naphtha	X
Vinyl Benzene	C
Vinylene Chloride	X
VV-B-680	C
VV-G-632	A
VV-G-671C	A
VV-H-910	X
VV-I-530A	B
VV-K-211D	C
VV-K-220A	B
VV-L-751B	C

VV-L-800	B
VV-L-820B	B
VV-L-825A, Type I & II	A
VV-L-825A, Type III	C
VV-O-526	A
VV-P-216A	B
VV-P-236	C
W	
Water*	A-B
Water – Acid Mine*	A
Water – Distilled, Lab., Ret. Cond.*	A
Water – Drinking*	A
Water – Fresh*	A
Water – Heavy	X
Water – Seawater/River Water*	A
Wemco C	A
Whiskey and Wines	A-X
White Caustic	C
White Oil	A
Wines	A-X
Wolmar Salts	A
Wood Alcohol	X
Wood Naphtha	X
Wood Oil	C
Wood Spirit	X
Wood Tar	X
Wood Vinegar	X
Wood Oil	B
X	
Xenon	A
Xylene (Xylol)	X
Xylidene	X
Xylidene’s Mixed, Aromatic Amines	X
Xylidene’s (Xylidin)	X
Xyal	X
Y	
Yellow Petrolatum	A
Z	
Zala	A
Zinc Acetate	X
Zinc Butter	A
Zinc Chloride	B
Zinc Sulfate	B

*140°F (60°C) maximum temperature

THORDON

THORDON BEARINGS INC.

A Thomson-Gordon Group Company - Innovating since 1911

3225 Mainway, Burlington, Ontario

L7M 1A6 Canada

Tel: +1.905.335.1440 Fax: +1.905.335.4033

www.ThordonBearings.com

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