

FLEXAUST®

Chemical Resistance Guide

Rating Code:

A=Excellent

B=Good

C=Fair

D=Not Recommended

ND=No Data

HOSE MATERIAL

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Acetaldehyde	D	C	D	A	ND	A	D	ND	C	B	B	A	A
Acetamide	A	C	B	A	ND	B	D	ND	ND	ND	ND	ND	A
Acetate Solvents	D	D	D	A	D	ND	ND	ND	C	ND	ND	ND	A
Acetic Acid, glacial	C	D	C	A	D	B	D	A	ND	ND	ND	ND	A
Acetic Acid, 5%	B	A	A	A	A	A	D	A	A	A	ND	A	A
Acetic Acid, 10%	B	A	B	A	B	A	D	A	A	A	A	A	A
Acetic Acid, 20%	B	A	B	A	B	A	D	A	A	A	ND	A	A
Acetic Acid, 30%	B	C	B	A	ND	A	D	A	A	A	ND	A	A
Acetic Acid, 50%	B	C	C	A	ND	B	D	A	A	A	ND	A	A
Acetic Acid, 80%	B	C	ND	A	ND	ND	ND	A	A	A	ND	A	A
Acetic Anhydride	D	C	A	A	ND	C	D	A	C	ND	C	A	A
Acetone	D	C	C	A	D	B	D	A	C	B	A	A	A

H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Acetone Cyanhydrin	D	B	C	A	ND	A	D	ND	ND	ND	ND	ND	ND
Acetonitrile	C	C	B	A	ND	ND	ND	ND	ND	ND	A	A	A
Acetophenone	D	D	D	A	ND	D	D	ND	ND	ND	ND	A	A
Acetyl Acetone	D	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND
Acetyl Chloride	D	D	D	A	ND	C	D	ND	C	ND	ND	A	A
Acetylene	B	C	C	A	ND	B	A	A	A	ND	A	A	A
Acetylene Dichloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	D	D	C	A	ND	D	ND	A	C	ND	ND	ND	ND
Adipic Acid	B	D	ND	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Alcohol, Allyl	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alcohol, Amyl	B	A	B	A	ND	D	D	B	C	A	ND	ND	A
Alcohol, Benzyl	D	C	B	A	D	ND	D	ND	ND	ND	ND	ND	A
Alcohol, Butyl	C	A	A	A	ND	B	D	ND	A	A	ND	ND	ND
Alcohol, Diacetone	D	C	B	A	ND	B	C	ND	ND	ND	ND	ND	ND
Alcohol, Furfuryl	D	D	D	A	ND	D	D	ND	ND	D	ND	ND	ND
Alcohol, Isopropyl	B	B	A	A	A	A	D	A	A	ND	ND	ND	ND
Alcohol, Methyl	A	A	A	A	A	A	D	A	A	A	ND	ND	ND
Alcohol, Octyl	B	B	A	A	ND	B	D	ND	ND	ND	ND	ND	ND
Alcohol, Propargyl	ND	ND	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Alcohol, Propyl	A	A	A	A	ND	A	D	ND	A	A	ND	ND	ND
Alcohols, Ethyl	A	A	A	A	A	A	D	A	A	ND	ND	ND	ND
Allyl Bromide	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Allyl Chloride	D	D	D	A	ND	ND	ND	ND	C	ND	ND	ND	ND
Aluminum Acetate	B	B	B	A	ND	D	D	ND	ND	ND	ND	ND	ND
Aluminum Chloride	A	A	A	A	ND	B	B	A	A	A	A	C	C
Aluminum Fluoride	A	A	A	A	ND	B	C	ND	A	A	ND	ND	B
Aluminum Hydroxide	B	A	B	A	ND	ND	ND	A	A	A	ND	ND	A
Aluminum Nitrate	A	B	A	A	ND	B	D	ND	A	ND	ND	ND	ND
Aluminum Oxychloride	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Aluminum Phosphate	A	A	A	A	ND	A	ND	A	ND	ND	ND	ND	ND
Aluminum Sulfate	B	A	A	A	ND	A	D	A	A	A	C	A	ND
Amino Ethyl Ethanol Amine	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonia, anhydrous	C	A	C	A	ND	C	D	ND	ND	ND	ND	A	A
Ammonia, aqueous	A	ND	ND	A	A	ND	ND	A	A	ND	B	A	A
Ammonia, gas-cold	A	A	A	A	ND	A	A	A	A	ND	ND	ND	ND
Ammonia, gas-hot	D	B	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Ammonia, liquid	A	ND	ND	A	ND	ND	ND	A	ND	ND	ND	ND	ND
Ammonium Bicarbonate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonium Carbonate	D	B	B	A	ND	B	ND	A	A	A	ND	ND	B

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Ammonium Chloride	B	A	A	A	ND	A	A	A	A	A	ND	ND	B
Ammonium Fluoride	B	B	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Ammonium Hydroxide	D	B	A	A	A	A	A	A	A	ND	ND	B	A
Ammonium Hydroxide, 3 molar	A	A	A	A	ND	A	D	A	ND	ND	ND	ND	ND
Ammonium Hydroxide, concentrate	D	A	A	A	ND	A	D	A	ND	ND	ND	ND	ND
Ammonium Metaphosphate	B	B	B	A	ND	ND	ND	ND	A	A	ND	ND	ND
Ammonium Nitrate	A	B	A	A	ND	B	D	A	A	A	ND	ND	A
Ammonium Nitrite	B	A	A	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Ammonium Persulfate	D	C	A	A	ND	ND	D	ND	A	ND	ND	ND	A
Ammonium Phosphate	A	A	A	A	ND	A	ND	A	A	ND	ND	ND	ND
Ammonium Phosphate, dibaic	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	C
Ammonium Phosphate, monobasic	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	C
Ammonium Phosphate, tribasic	A	C	A	A	ND	A	ND	ND	ND	ND	ND	ND	A
Ammonium Salts	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Ammonium Sulfate	B	A	A	A	A	A	A	A	A	A	ND	ND	B
Ammonium Sulfide	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	A
Ammonium Sulfite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonium Thiocyanate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	ND
Ammonium Thiosulfate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Acetate	D	D	D	A	D	D	D	A	C	B	B	B	A
Amyl Acetone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Borate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Chloride	D	D	D	A	ND	D	ND	A	C	ND	ND	ND	ND
Amyl Chloronaphthalene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Amyl Napthalene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Amyl Oleate	A	ND	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Amyl Phenol	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amylamine	C	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anethole	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	D	D	D	A	ND	D	D	A	C	A	B	A	A
Aniline Chlorohydrate	ND	ND	ND	ND	ND	ND	ND	ND	C	ND	ND	ND	ND
Aniline Dyes	D	B	B	A	ND	C	D	ND	ND	ND	ND	ND	ND
Aniline Hydrochloride	C	D	D	A	ND	D	D	ND	C	ND	ND	ND	ND
Animal Fats	A	B	B	A	ND	D	B	ND	ND	ND	ND	ND	ND
Ansul Ether	C	D	D	A	ND	D	B	ND	ND	ND	ND	ND	ND
Anthraquinone	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Anthraquinone Sulfonic Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Antimony Chloride	B	ND	ND	A	ND	ND	ND	ND	ND	A	ND	ND	ND
Antimony Pentachloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony Pentaculcide	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Antimony Trichloride	A	ND	ND	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Aqua Regia	D	D	D	A	D	D	D	ND	ND	B	ND	ND	D
Aromatic Hydrocarbons	C	D	D	A	C	D	D	ND	ND	ND	ND	ND	ND
Arsenic Acid	B	B	A	A	ND	A	C	A	A	A	ND	ND	B
Arsenic Chloride	C	B	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic Trichloride	C	B	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
ASTM Oil #1	A	A	B	A	A	A	A	B	ND	ND	ND	ND	ND
ASTM Oil #2	A	B	D	A	A	D	B	C	ND	ND	ND	ND	ND
ASTM Oil #3	A	C	C	A	A	C	B	D	ND	ND	ND	ND	ND
ASTM Oil #4	B	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
ASTM Reference Fuel A	A	B	C	A	A	D	A	B	ND	ND	ND	ND	ND
ASTM Reference Fuel B	A	D	D	A	ND	D	B	C	ND	ND	ND	ND	ND
ASTM Reference Fuel C	B	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND
Barium Carbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	B
Barium Chloride	A	A	A	A	ND	A	A	ND	A	A	ND	B	B
Barium Hydroxide	A	A	A	A	ND	A	B	A	A	A	B	A	A
Barium Salts	A	A	A	A	ND	A	A	A	ND	ND	ND	ND	ND
Barium Sulfate	A	A	B	A	A	A	A	ND	A	A	A	A	A
Barium Sulfide	A	A	A	A	ND	A	A	ND	A	A	ND	ND	A
Benzaldehyde	D	D	D	A	ND	D	D	B	C	C	ND	ND	A
Benzene	D	D	D	A	D	D	D	C	C	B	A	A	B
Benzene Sulfonic Acid	C	B	B	A	ND	D	D	ND	A	A	C	A	ND
Benzene Sulfonic Acid, 10%	D	B	A	A	ND	D	D	ND	ND	ND	ND	ND	ND
Benzoic Acid	D	C	B	A	ND	B	D	A	A	A	ND	ND	B
Benzoic Aldehyde	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Benzol	D	D	D	A	ND	D	D	ND	C	ND	ND	ND	ND
Benzotrighloride	D	ND	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Benzyl Acetate	D	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Bismuth Carbonate	A	ND	A	A	ND	ND	ND	ND	A	A	ND	ND	ND
Blast Furnace Gas	D	D	C	A	ND	A	D	ND	ND	ND	ND	ND	ND
Bleach Solutions	D	C	A	A	C	B	D	ND	ND	ND	ND	ND	ND
Borax	B	C	A	A	ND	B	A	A	A	ND	B	A	A
Boric Acid	C	C	A	A	A	A	A	A	A	A	ND	ND	B
Brine	A	A	A	A	A	A	A	ND	A	ND	ND	ND	ND
Bromic Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Bromine	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Bromo Benzene	D	D	D	A	ND	D	D	D	C	ND	ND	ND	ND
Butadiene	D	D	D	A	ND	ND	D	D	A	ND	A	A	A

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Butane	A	A	B	A	ND	D	C	A	A	ND	A	A	A
Butanediol	A	ND	ND	A	ND	ND	ND	A	ND	A	ND	ND	ND
Butanol, primary	A	A	A	A	ND	B	D	ND	A	ND	ND	ND	ND
Butanol, secondary	B	B	A	A	ND	A	D	ND	A	ND	ND	ND	ND
Butyl Acetate	D	D	D	A	D	D	D	A	A	A	A	A	ND
Butyl Acrylate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Amine	C	D	D	A	ND	B	D	ND	ND	ND	A	A	A
Butyl Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Bromide	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Butyrate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Carbitol	C	B	B	A	D	B	ND	ND	ND	ND	ND	ND	ND
Butyl Cellosolve	C	C	B	A	D	ND	D	ND	A	ND	ND	ND	ND
Butyl Chloride	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Ether	B	C	C	A	ND	D	B	ND	ND	ND	A	A	A
Butyl Ethyl Acetaldehyde	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Ethyl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Oleate	D	D	D	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Butyl Phenol	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Butyl Phthalate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Stearate	B	D	D	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Butylene	B	C	C	A	ND	D	D	ND	A	ND	A	A	A
Butyraldehyde	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Butyric Acid	D	C	C	A	ND	ND	ND	A	A	B	ND	ND	B
Butyric Anhydride	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium Acetate	B	B	B	A	ND	D	D	ND	ND	ND	ND	ND	ND
Calcium Bisulfate	A	A	A	A	ND	B	A	ND	ND	ND	ND	ND	ND
Calcium Bisulfite	A	A	A	A	ND	A	A	ND	A	ND	ND	ND	ND
Calcium Carbonate	A	A	A	A	ND	A	C	ND	A	A	ND	ND	A
Calcium Chlorate	A	C	A	A	ND	ND	ND	ND	A	A	ND	ND	ND
Calcium Chloride	B	A	A	A	A	A	A	A	A	A	C	B	B
Calcium Hydroxide	B	C	A	A	ND	A	C	A	A	A	ND	ND	A
Calcium Hypochlorite	D	D	A	A	ND	B	D	A	A	A	ND	ND	C
Calcium Nitrate	B	A	A	A	ND	B	A	A	A	A	ND	ND	ND
Calcium Phosphate	A	B	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Calcium Salts	A	A	A	A	A	B	A	ND	ND	ND	ND	ND	ND
Calcium Sulfate	A	C	A	A	ND	ND	ND	ND	A	A	B	A	A
Calcium Sulfide	B	B	A	A	ND	B	A	ND	ND	ND	ND	ND	ND
Calcium Sulfite	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Caprylic Acid	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbinol	A	A	A	A	ND	A	D	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Carbitol	B	B	B	A	D	B	D	ND	A	ND	ND	ND	ND
Carbitol Acetate	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbolic Acid	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	A
Carbon Bisulfide	D	D	D	A	ND	C	C	ND	C	ND	ND	ND	ND
Carbon Dioxide	A	B	A	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide	D	D	D	A	ND	C	C	D	ND	ND	ND	ND	ND
Carbon Monoxide	A	B	A	A	ND	A	A	A	A	A	ND	ND	A
Carbon Tetrachloride	C	D	D	A	D	D	D	ND	A	C	C	C	A
Carbon Tetrafluoride	D	D	D	A	ND	ND	ND	C	ND	ND	ND	ND	ND
Carbonic Acid	B	A	A	A	ND	A	A	ND	A	A	ND	ND	B
Caustic Potash	C	B	A	A	D	B	B	A	A	ND	ND	ND	ND
Caustic Soda	C	B	B	A	D	B	B	A	A	ND	ND	ND	ND
Cellosolve	D	D	B	A	D	D	D	ND	A	ND	A	A	ND
Cellulose Acetate	B	B	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cellulube	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloracetic Acid	D	D	D	A	ND	ND	D	A	ND	ND	ND	ND	ND
Chlorinated Hydrocarbons	D	D	D	A	D	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Solvents, wet or dry	D	D	D	A	D	D	D	ND	ND	ND	ND	ND	ND
Chlorine Dioxide Gas	D	D	C	A	ND	C	D	B	ND	ND	ND	ND	ND
Chlorine Gas, dry	D	C	D	A	ND	ND	ND	C	A	ND	ND	ND	ND
Chlorine Gas, wet	D	D	D	A	ND	ND	ND	C	ND	ND	ND	ND	ND
Chlorine Water, saturated	D	D	B	A	ND	ND	ND	C	A	A	ND	ND	ND
Chloro Acetone	D	C	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Chloro Benzene	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND
Chloro Butadiene	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Chloro Butane	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloro Pentane	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Chloro Phenol	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Chloro Prene	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Chloro Propanone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloro Toluene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Chloroform	D	D	D	A	ND	D	D	D	ND	ND	ND	ND	ND
Chlorosulfonic Acid	D	D	D	A	ND	D	D	B	ND	ND	ND	ND	ND
Chlorothene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrome Alum	A	A	A	A	ND	A	ND	A	A	A	ND	ND	ND
Chromic Acid	D	D	B	A	ND	C	D	ND	ND	ND	ND	ND	ND
Citric Acid	B	A	A	A	A	A	A	A	A	A	ND	ND	A
Cloric Acid, aqueous	D	ND	ND	A	ND	ND	ND	A	A	ND	ND	ND	ND
Cobalt Chloride	A	A	A	A	ND	B	D	ND	ND	ND	ND	ND	ND
Coke Oven Gas	D	C	B	A	ND	B	D	ND	A	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Copper Arsenate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper Chloride	A	D	A	A	ND	A	A	A	A	ND	ND	ND	C
Copper Cyanide	A	B	B	A	ND	A	A	ND	A	ND	ND	ND	A
Copper Nitrate	C	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	A
Copper Nitrite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper Salts	A	A	A	A	A	A	A	ND	A	ND	ND	ND	ND
Copper Sulfate	B	A	A	A	ND	A	A	A	A	ND	ND	C	A
Copper Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cotton Seed Oil	A	B	B	A	A	A	A	B	A	A	ND	A	A
Cresylic Acid	C	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Cresylic Acid, 50%	D	D	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	A
Crotonaldehyde	D	ND	D	A	ND	ND	ND	ND	D	ND	ND	ND	ND
Cumene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Cupric Carbonate	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cupric Chloride	A	B	A	A	ND	A	A	ND	ND	A	ND	ND	ND
Cupric Nitrate	A	A	A	A	ND	ND	ND	ND	ND	A	ND	ND	ND
Cupric Nitrite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cupric Sulfate	A	A	A	A	A	A	A	ND	A	A	ND	ND	ND
Cyclo Hexane	B	D	D	A	A	D	B	D	ND	C	A	A	A
Cyclo Hexanol	B	B	B	A	ND	D	C	C	D	ND	C	A	A
Cyclo Hexanone	D	D	D	A	ND	D	D	B	D	ND	A	A	A
Cyclo Pentane	B	A	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Decalin	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND
Decane	B	D	D	A	ND	B	B	ND	ND	ND	ND	ND	ND
Decyl Alcohol	A	D	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Detergent, 2.5% in liquid	A	B	A	A	A	A	D	A	A	ND	C	A	A
Diamyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzyl Ether	D	D	D	A	ND	ND	B	ND	ND	ND	ND	ND	ND
Dibenzyl Sebecate	D	D	D	A	ND	C	C	ND	ND	ND	ND	ND	ND
Dibromo Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromo Ethane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Dibutyl Amine	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND
Dibutyl Ether	C	D	C	A	ND	D	B	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	D	D	D	A	C	B	C	A	D	ND	ND	ND	ND
Dibutyl Sebacate	D	D	D	A	ND	B	D	ND	B	ND	ND	ND	ND
Dicalcium Phospate	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Acetic Acid	D	ND	D	A	ND	ND	ND	B	ND	ND	ND	ND	ND
Dichloro Benzene	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND
Dichloro Butane	C	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Dichloro Ethane	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Dichloro Ethyl Ether	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Ethylene	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Hexane	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Isopropyl Ether	D	D	D	A	ND	D	B	ND	ND	ND	ND	ND	ND
Dichloro Methane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Dichloro Pentane	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Propane	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicyclo Hexyl Amine	C	D	D	A	ND	ND	D	ND	ND	ND	ND	ND	ND
Diesel Oil, light	A	B	B	A	ND	D	C	D	ND	ND	ND	ND	ND
Diethanol Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Amine	B	B	C	A	ND	B	C	ND	ND	ND	ND	ND	A
Diethyl Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Diethyl Ether	D	C	C	A	ND	D	A	A	D	ND	ND	ND	ND
Diethyl Ketone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Oxalate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phthalate	D	C	D	A	B	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Sebecate	D	D	D	A	ND	B	D	A	ND	ND	ND	ND	ND
Diethyl Sulfate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Triamine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylene Dioxide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Diethylene Glycol	A	A	A	A	ND	B	D	ND	ND	A	ND	ND	A
Diethylene Glycol-Monobutyl Ether	A	B	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Diethylene Glycol-Monoethyl Ether	B	B	B	A	ND	B	D	ND	ND	ND	ND	ND	ND
Diethylene Triamine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diglycolic Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Dihydroxy Ethyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Butylene	B	D	D	A	ND	D	D	ND	ND	ND	A	A	A
Diiso Decyl Adipate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Decyl Phthalate	D	D	D	A	B	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Octyl Adipate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Octyl Phthalate	D	ND	D	A	B	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Propanol Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Propyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Propyl Benzene	D	D	D	D	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Propyl Ether	B	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Propyl Ketone	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Diisobutyl Ketone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dilauryl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Amine	D	ND	D	A	ND	ND	ND	B	A	ND	ND	ND	ND
Dimethyl Aniline	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Dimethyl Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Dimethyl Formamide	C	D	D	A	D	B	D	A	D	ND	A	A	A
Dimethyl Phthalate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Sulfate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Sulfide	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro Toluene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Diocetyl Adipate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diocetyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diocetyl Phthalate	D	D	D	A	ND	C	D	B	D	B	A	A	A
Diocetyl Sebecate	D	D	D	A	ND	C	B	A	ND	ND	ND	ND	ND
Dioxane	D	D	D	A	ND	D	D	A	ND	ND	C	C	C
Dioxolane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Dipentene	B	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Diphenyl	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Diphenyl Oxide	D	D	C	A	ND	C	ND	ND	ND	ND	ND	ND	A
Diphenyl Phthylate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dipropyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dipropyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dipropylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disodium Phosphate	A	ND	A	A	ND	ND	ND	ND	A	A	ND	ND	ND
Divinyl Benzene	D	ND	D	A	ND	ND	ND	ND	D	ND	ND	ND	ND
Dodecyl Alcohol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dodecyl Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dodecyl Toluene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dry Cleaning Fluids	C	D	D	A	C	D	D	ND	ND	ND	ND	ND	ND
Epichlorohydrin	D	D	D	A	ND	D	D	A	ND	ND	A	A	A
Ethanol	A	A	A	A	A	A	C	A	A	ND	ND	ND	ND
Ethanol Amine	B	B	B	A	ND	B	C	ND	ND	ND	ND	A	A
Ethers	D	D	D	A	ND	D	B	ND	D	ND	A	A	A
Ethoxy Ethanol	D	D	B	A	ND	D	D	ND	ND	ND	ND	ND	ND
Ethyl Acetate	D	D	D	A	D	B	D	A	D	B	A	A	A
Ethyl Acetoacetate	D	D	D	A	ND	B	D	ND	D	ND	ND	ND	ND
Ethyl Acrylate	D	D	D	A	ND	B	D	ND	D	ND	ND	ND	ND
Ethyl Alcohol	A	A	A	A	A	A	D	A	A	ND	ND	ND	ND
Ethyl Aluminum Dichloride	D	ND	D	D	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Amine	D	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	D	D	D	A	ND	D	D	D	ND	ND	ND	ND	ND
Ethyl Benzoate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Ethyl Butanol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Ethyl Butyl Alcohol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Butyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Butyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Butyrate	D	D	D	A	ND	ND	ND	ND	ND	D	ND	ND	ND
Ethyl Cellulose	B	B	B	A	A	C	B	ND	ND	ND	ND	ND	ND
Ethyl Chloride	C	C	D	A	ND	D	B	D	D	C	ND	ND	A
Ethyl Dichloride	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND
Ethyl Ether	D	D	D	A	ND	D	B	D	D	D	ND	ND	ND
Ethyl Formate	D	B	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Hexanol	B	B	A	A	ND	B	D	C	ND	ND	ND	ND	ND
Ethyl Iodide	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Isobutyl Ether	C	D	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Methyl Ketone	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND
Ethyl Oxalate	D	D	D	A	ND	ND	A	ND	ND	ND	ND	ND	ND
Ethyl Phthalate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Propyl Ether	C	D	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Propyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Silicate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Sulfate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	D
Ethylene	B	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene Bromide	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND
Ethylene Chloride	D	D	D	A	ND	C	D	D	D	ND	C	C	A
Ethylene Chlorohydrin	D	B	B	A	ND	C	D	ND	ND	ND	ND	ND	ND
Ethylene Diamine	C	A	B	A	ND	A	D	A	ND	ND	D	A	A
Ethylene Dibromide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Ethylene Dichloride	D	D	D	A	ND	C	D	C	D	C	C	C	C
Ethylene Glycol	D	A	A	A	ND	A	B	A	A	A	D	A	A
Ethylene Glycol Monobutyl Ether	B	C	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene Glycol Monoethyl Ether													
Acetate	C	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND
Ethylene Oxide	D	D	D	A	ND	D	D	A	D	ND	ND	ND	ND
Fatty Acids	B	D	D	A	A	C	ND	B	A	A	ND	ND	A
Ferric Bromide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ferric Chloride	A	B	B	A	ND	B	A	A	A	A	D	D	D
Ferric Nitrate	A	A	A	A	ND	C	A	ND	A	A	ND	ND	B
Ferric Sulfate	B	A	A	A	ND	B	ND	ND	A	A	ND	ND	A
Ferrous Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ferrous Chloride	A	B	B	A	ND	ND	ND	ND	A	A	D	D	D
Ferrous Hydroxide	B	ND	B	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Ferrous Sulfate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	B

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Flourine Gas, dry	D	D	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourine Gas, wet	D	D	D	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Floursilic Acid	A	A	A	A	ND	D	B	A	A	A	ND	ND	B
Fluoboric Acid	A	B	A	A	ND	ND	ND	ND	A	A	ND	ND	B
Fluoroboric Acid	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Formaldehyde	C	D	B	A	ND	B	D	A	A	A	B	B	A
Formamide	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Formic Acid	D	D	B	A	ND	B	D	A	C	A	ND	ND	A
Freon 11	B	D	A	A	ND	D	D	C	A	ND	A	A	A
Freon 112	B	B	B	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Freon 113	C	D	A	A	ND	D	B	C	B	ND	A	A	A
Freon 114	A	A	A	A	ND	D	A	C	ND	ND	A	A	A
Freon 114B2	B	A	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Freon 115	A	A	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Freon 12	B	D	A	A	ND	D	A	C	B	A	A	A	A
Freon 13	A	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND
Freon 13B1	A	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND
Freon 142b	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 152a	A	A	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 21	D	C	D	A	ND	D	ND	ND	D	ND	A	A	A
Freon 218	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 22	D	D	A	A	ND	D	D	ND	D	ND	A	A	A
Freon 31	D	A	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 32	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 502	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon BF	B	B	B	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Freon C316	A	A	A	A	ND	ND	A	ND	ND	ND	ND	ND	ND
Freon C318	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon MF	B	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND
Freon TA	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Freon TC	A	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND
Freon TF	C	D	A	A	ND	D	A	ND	ND	ND	A	A	A
Freon TMC	B	B	B	A	ND	C	B	ND	ND	ND	ND	ND	ND
Freon T-P35	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Freon T-WD602	B	B	B	A	ND	D	A	ND	ND	ND	ND	ND	ND
Fuel Oil	A	D	C	A	B	D	C	ND	ND	C	A	A	A
Fuel, ASTM A	A	B	C	A	A	D	A	B	ND	ND	ND	ND	ND
Fuel, ASTM B	A	D	D	A	ND	D	B	C	ND	ND	ND	ND	ND
Fuel, ASTM C	B	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND
Fumaric Acid	A	B	B	A	ND	B	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Furan	D	D	D	A	ND	ND	ND	ND	ND	ND	A	A	A
Furfural	D	D	C	A	ND	D	D	ND	D	D	A	A	A
Gallic Acid	D	C	B	A	ND	ND	D	ND	A	A	ND	ND	ND
Gasoline	A	B	D	A	A	D	B	D	ND	ND	ND	ND	ND
Gluconic Acid	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Glucose	A	A	A	A	ND	A	B	A	A	A	ND	ND	A
Glycerine	A	A	A	A	A	A	B	A	A	ND	A	ND	ND
Glycol	A	A	A	A	A	A	B	A	A	A	ND	ND	ND
Glycolic Acid	B	B	ND	A	ND	ND	ND	A	A	ND	D	A	A
Grease	A	D	C	A	A	ND	ND	ND	ND	ND	ND	ND	A
Heptanal	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	A	D	B	A	A	D	B	D	A	C	A	A	A
Heptane Carboxylic Acid	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	D	A	C	A	ND	B	B	ND	ND	ND	ND	ND	ND
Hexane	A	D	B	A	A	D	B	C	B	ND	A	A	A
Hexanol	A	B	B	A	ND	B	D	ND	A	ND	ND	ND	ND
Hexene	A	B	C	A	ND	D	A	ND	ND	ND	ND	ND	ND
Hexyl Amine	C	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexyl Methyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexylene	A	B	C	A	ND	D	A	ND	ND	ND	ND	ND	ND
Hexylene Glycol	A	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND
Hydraulic Oil (petroleum)	A	B	B	A	ND	C	A	ND	ND	ND	ND	ND	A
Hydro Quinone	D	D	C	A	ND	ND	ND	ND	A	A	ND	ND	ND
Hydrochloric Acid, 10%	C	A	A	A	A	C	B	A	A	ND	D	D	D
Hydrochloric Acid, 20%	D	C	A	A	ND	C	C	A	A	ND	D	D	D
Hydrochloric Acid, 25%	C	C	A	A	ND	C	D	A	A	ND	D	D	D
Hydrochloric Acid, 37%	D	C	A	A	ND	C	ND	A	A	ND	D	D	D
Hydrochloric Acid, 38%	C	C	A	A	ND	C	D	A	A	ND	D	D	D
Hydrochloric Acid, 40%	D	ND	A	ND	ND	ND	ND	ND	A	ND	D	D	D
Hydrochloric Acid, 50%	ND	ND	A	ND	ND	ND	ND	ND	A	ND	D	D	D
Hydrocyanic Acid	B	A	A	A	ND	B	C	A	A	A	ND	ND	A
Hydrocyanic Acid, 10%	B	A	A	ND	ND	B	ND	A	A	A	ND	ND	ND
Hydrofluoric Acid, 10%	B	A	A	A	ND	D	D	A	A	ND	ND	ND	ND
Hydrofluoric Acid, 20%	C	C	A	ND	ND	D	D	A	A	C	ND	ND	C
Hydrofluoric Acid, 48%	D	C	A	A	ND	D	D	A	A	ND	ND	ND	ND
Hydrofluoric Acid, 50%	C	C	A	A	ND	D	D	A	A	ND	D	D	C
Hydrofluoric Acid, 65%	D	C	A	A	ND	D	ND	A	A	ND	ND	ND	ND
Hydrofluoric Acid, 75%	D	D	ND	A	ND	ND	ND	A	A	ND	ND	ND	D
Hydrofluoric Acid, 100%	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrofluoric Acid, anhydrous	D	D	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Hydrogen	A	A	ND	A	ND	ND	ND	A	A	ND	ND	ND	ND
Hydrogen Bromide	D	D	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrogen Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND
Hydrogen Cyanide	B	B	A	A	ND	B	C	ND	A	ND	ND	ND	ND
Hydrogen Fluoride	D	ND	ND	A	ND	ND	ND	ND	D	ND	ND	ND	ND
Hydrogen Gas	A	A	B	A	ND	C	A	ND	ND	ND	A	A	A
Hydrogen Peroxide, 3%	D	B	B	A	ND	A	ND	A	A	A	ND	ND	ND
Hydrogen Peroxide, 10%	D	C	B	A	ND	A	ND	A	A	A	ND	ND	ND
Hydrogen Peroxide, 30%	D	D	C	A	ND	A	ND	A	A	A	A	C	C
Hydrogen Peroxide, 50%	D	D	C	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Hydrogen Peroxide, 90%	D	D	C	A	ND	B	C	D	A	ND	ND	ND	ND
Hydrogen Peroxide, concentrate	D	D	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Hydrogen Phosphide	D	C	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Hydrogen Sulfide, aqueous	D	A	A	A	ND	ND	ND	A	A	A	ND	ND	A
Hydrogen Sulfide, dry-cold	A	A	A	A	ND	C	B	ND	ND	ND	ND	ND	ND
Hydrogen Sulfide, dry-hot	D	B	C	A	ND	C	B	ND	ND	ND	ND	ND	ND
Hydrogen Sulfide, wet-cold	D	A	B	A	ND	C	B	ND	ND	ND	ND	ND	ND
Hydrogen Sulfide, wet-hot	D	B	C	A	ND	C	ND	ND	ND	ND	ND	ND	ND
Hydroxyl Amine Sulfate	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Hypochlorous Acid	D	D	D	A	ND	ND	ND	ND	A	A	ND	ND	ND
Iodine	B	C	A	A	ND	ND	D	ND	D	B	ND	ND	D
Iron Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron Chloride	A	B	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Iron Hydroxide	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron Salts	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron Sulfate	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Iron Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iso Octane	A	B	B	A	B	D	B	C	ND	ND	ND	ND	ND
Iso Pentane	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iso Propanol Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Acetate	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Isoamyl Alcohol	A	B	A	A	ND	D	C	ND	ND	ND	ND	ND	ND
Isoamyl Bromide	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Butyrate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Chloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Ether	B	D	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Phthalate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutanol	B	B	A	A	ND	A	D	ND	ND	ND	ND	ND	ND
Isobutyl Acetate	D	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Isobutyl Alcohol	B	B	A	A	ND	A	D	ND	ND	ND	ND	ND	ND
Isobutyl Aldehyde	D	C	D	A	ND	C	C	ND	ND	ND	ND	ND	ND
Isobutyl Amine	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutyl Carbinol	A	B	A	A	ND	D	C	ND	ND	ND	ND	ND	ND
Isobutyl Chloride	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutyl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutylene	C	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Acetate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	B
Isopropyl Amine	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Isopropyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Isopropyl Ether	B	D	D	A	ND	D	B	B	ND	ND	ND	ND	A
Isopropyl Toluene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Jet Fuels JP-3	B	D	D	A	ND	D	B	ND	A	ND	A	A	A
Jet Fuels JP-4	B	D	D	A	ND	D	B	C	A	ND	A	A	A
Jet Fuels JP-5	B	D	D	A	ND	D	B	ND	A	ND	A	A	A
Jet Fuels JP-6	A	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Kerosene	A	D	D	A	ND	D	B	C	A	B	A	A	A
Ketones	D	D	D	A	D	C	D	ND	ND	ND	A	A	A
Lacquers	D	D	D	A	D	D	D	C	ND	ND	ND	ND	A
Lactic Acid	C	C	A	A	ND	A	ND	A	B	A	C	A	A
Lauric Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Lauryl Alcohol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lauryl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Lead Acetate	B	B	C	A	ND	D	D	A	A	A	ND	ND	B
Lead Arsenate	ND	B	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead Nitrate	A	A	B	A	ND	B	ND	ND	A	ND	ND	ND	ND
Lead Sulfamate	B	A	A	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Lead Sulfate	A	B	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Lead Tetraethyl	B	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lime Sulfur, dry	D	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Lime Sulfur, wet	A	A	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Limonene	C	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Linoleic Acid	B	D	D	A	ND	B	ND	ND	A	ND	ND	ND	ND
Linseed Oil	A	B	B	A	ND	B	B	B	A	C	ND	ND	ND
Lubricating Oils	A	D	C	A	ND	C	B	C	A	D	A	A	A
Lye Solutions	B	B	A	A	ND	B	D	ND	A	ND	ND	ND	ND
Magnesium Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium Carbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	A
Magnesium Chloride	A	A	A	A	ND	A	A	A	A	A	ND	ND	A

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Magnesium Hydrate	B	B	A	A	ND	B	C	ND	ND	ND	ND	ND	ND
Magnesium Hydroxide	B	B	A	A	ND	B	C	A	A	A	C	A	A
Magnesium Nitrate	A	B	A	A	ND	ND	ND	ND	A	A	ND	ND	A
Magnesium Salts	A	A	A	A	ND	A	A	A	ND	ND	ND	ND	ND
Magnesium Sulfate	A	B	A	A	ND	A	ND	A	A	A	ND	ND	A
Maleic Acid	D	B	C	A	ND	ND	ND	ND	A	B	ND	ND	A
Maleic Anhydride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Malic Acid	D	B	B	A	ND	B	ND	ND	A	ND	ND	ND	ND
Manganese Salts	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Manganese Sulfate	A	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Manganese Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese Sulfite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercuric Chloride	A	A	A	A	ND	A	ND	A	A	A	ND	ND	D
Mercuric Cyanide	A	B	A	A	ND	ND	ND	ND	A	A	ND	ND	A
Mercurous Nitrate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	ND
Mercury	A	A	A	A	ND	A	A	A	A	A	ND	ND	A
Mesityl Oxide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Methacrylic Acid	D	B	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Methane	A	B	B	A	ND	D	C	ND	A	ND	ND	ND	ND
Methanol	A	A	A	A	A	A	C	ND	ND	ND	ND	ND	ND
Methyl Acetate	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	A
Methyl Aceto Acetate	D	D	D	A	ND	B	D	ND	ND	ND	ND	ND	ND
Methyl Acetone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	A
Methyl Acrylate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Methyl Amine	D	A	ND	A	ND	ND	ND	B	D	ND	ND	ND	A
Methyl Amyl Acetate	D	D	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Amyl Alcohol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Amyl Ketone	D	ND	D	A	D	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	D	D	D	A	ND	ND	ND	D	D	D	ND	ND	ND
Methyl Butyl Ketone	D	D	D	A	D	D	D	ND	ND	ND	ND	ND	A
Methyl Cellosolve	D	D	C	A	D	D	D	ND	A	ND	ND	ND	ND
Methyl Cellulose	B	B	B	A	A	B	B	ND	ND	ND	ND	ND	ND
Methyl Chloride	D	D	D	A	D	D	D	D	D	C	ND	ND	A
Methyl Cyanide	C	A	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Cyclohexane	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	D	D	D	A	D	D	D	B	D	C	A	A	A
Methyl Formate	D	B	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Methyl Hexanol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Hexyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Carbinol	B	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Methyl Isobutyl Ketone	D	D	D	A	D	D	D	ND	D	ND	A	A	A
Methyl Isopropyl Ketone	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	A
Methyl Methacrylate	D	D	B	A	ND	C	ND	ND	ND	ND	ND	ND	ND
Methyl Propyl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Propyl Ketone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Salicylate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Sulfate	ND	C	ND	ND	ND	ND	ND	ND	C	ND	ND	ND	ND
Methylated Spirits	A	B	A	A	ND	A	D	ND	ND	ND	ND	ND	ND
Methylene Bromide	D	D	D	A	ND	ND	ND	ND	B	ND	ND	ND	ND
Methylene Chloride	D	D	D	A	D	D	D	D	D	C	ND	ND	A
Mineral Oils	A	D	D	A	A	B	A	C	A	C	A	A	A
Mono Chloro Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Mono Ethanol Amine	D	D	D	A	ND	B	C	ND	ND	ND	ND	ND	ND
Mono Ethyl Amine	C	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mono Methyl Ether	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mono Vinyl Acetate	D	D	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Muriatic Acid	D	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphtha	C	D	D	A	B	D	C	C	A	C	A	A	A
Naphthalene	D	D	D	A	ND	D	B	C	A	C	A	A	B
Napthenic Acid	B	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Natural Gas	A	A	A	A	ND	A	B	ND	A	ND	ND	ND	ND
Neohexane	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel Acetate	D	B	D	A	ND	D	D	ND	A	ND	ND	ND	ND
Nickel Chloride	A	B	A	A	ND	A	C	ND	A	A	ND	ND	C
Nickel Nitrate	A	B	A	A	ND	ND	A	ND	A	A	ND	ND	ND
Nickel Salts	A	B	A	A	ND	A	C	A	A	ND	ND	ND	ND
Nickel Sulfate	A	A	A	A	ND	A	C	A	A	A	ND	ND	B
Nitric Acid, 10%	D	B	A	A	ND	B	C	A	A	A	C	A	A
Nitric Acid, 20%	D	D	ND	ND	ND	ND	ND	A	A	A	ND	A	A
Nitric Acid, 25%	D	D	B	A	ND	C	C	A	A	A	ND	A	A
Nitric Acid, 30%	D	D	D	A	ND	ND	ND	A	A	A	D	A	A
Nitric Acid, 35%	D	D	B	A	ND	D	C	ND	A	C	ND	A	A
Nitric Acid, 40%	D	D	ND	ND	ND	ND	ND	ND	A	C	ND	ND	ND
Nitric Acid, 50%	D	D	C	A	ND	D	D	D	A	C	ND	ND	A
Nitric Acid, 60%	D	D	ND	A	ND	ND	ND	D	A	C	ND	ND	ND
Nitric Acid, 69%	D	D	C	A	ND	D	D	D	A	C	ND	ND	ND
Nitric Acid, 70%	D	D	D	A	ND	ND	ND	D	A	C	ND	ND	ND
Nitric Acid, 86%	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Nitric Acid, concentrate	D	D	C	A	ND	D	D	ND	D	D	C	A	A
Nitric Acid, dilute	D	B	A	A	ND	B	C	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Nitric Acid, red fuming	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND
Nitro Benzene	D	D	D	A	ND	D	D	A	D	D	A	A	B
Nitro Methane	D	C	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Nitro Propane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Nitrogen Tetraoxide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Nitrous Oxide	D	ND	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Octa Decanoic Acid	B	B	B	A	ND	B	A	ND	ND	ND	ND	ND	ND
Octane	D	D	D	A	B	D	D	A	ND	ND	ND	ND	ND
Octanol	B	B	A	A	ND	B	D	ND	ND	ND	ND	ND	ND
Octyl Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Octyl Amine	C	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Octyl Carbinol	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Octylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oleic Acid	C	D	C	A	A	D	B	A	A	C	ND	ND	A
Oleum	D	D	D	A	ND	ND	ND	D	D	ND	ND	ND	A
Olive Oil	A	D	B	A	ND	D	A	ND	ND	ND	ND	ND	A
Ortho Dichloro Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Oxalic Acid	C	B	B	A	ND	B	D	A	A	A	ND	ND	A
Oxygen, cold	B	B	B	A	ND	A	A	A	ND	ND	ND	ND	ND
Oxygen, hot	D	D	D	A	ND	B	D	A	ND	ND	ND	ND	ND
Ozone	D	B	A	A	ND	A	A	A	A	C	ND	ND	ND
Palmitic Acid	A	B	C	A	ND	D	A	A	ND	ND	ND	ND	ND
Palmitic Acid, 10%	A	C	C	ND	ND	ND	ND	ND	A	B	ND	ND	ND
Palmitic Acid, 70%	A	C	C	ND	ND	ND	ND	ND	B	B	ND	ND	ND
Para Dichloro Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Paraform Aldehyde	B	B	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-Cymene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Pentane	A	A	B	A	A	D	D	ND	ND	ND	ND	ND	ND
Pentanol	B	A	B	A	ND	D	D	ND	ND	ND	ND	ND	ND
Pentanone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentene	B	A	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Peracetic Acid	ND	ND	ND	ND	ND	ND	ND	ND	C	ND	ND	ND	ND
Perchloric Acid	D	A	B	A	ND	D	D	D	ND	ND	ND	ND	ND
Perchloric Acid, 10%	D	D	D	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Perchloric Acid, 70%	D	D	D	ND	ND	ND	ND	ND	D	ND	ND	ND	ND
Perchloro Ethylene	D	D	D	A	ND	C	D	D	ND	ND	A	A	A
Petrol	A	B	D	A	ND	C	B	ND	ND	ND	ND	ND	ND
Petrolatum	A	B	B	A	A	D	A	ND	A	ND	ND	ND	A
Petroleum Ether	A	B	D	A	ND	D	B	ND	ND	ND	ND	ND	ND
Petroleum Naphtha	A	B	C	A	B	D	B	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Petroleum Oil, above 250 F.	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Petroleum Oil, below 250 F.	A	B	B	A	B	B	B	ND	ND	ND	ND	ND	ND
Petroleum Oil, crude	A	B	B	A	ND	D	C	ND	ND	ND	ND	ND	ND
Phenol	D	D	C	A	ND	D	D	C	C	B	A	C	A
Phenol Sulfonic Acid	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Phenyl Hydrazine	D	D	D	A	ND	ND	ND	ND	D	ND	ND	ND	ND
Phorone	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Phosgene, gas	D	C	ND	A	ND	ND	ND	ND	B	ND	ND	ND	ND
Phosgene, liquid	D	C	ND	A	ND	ND	ND	ND	D	ND	ND	ND	ND
Phosphate Esters	D	D	D	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Phosphoric Acid, 10%	C	B	A	A	ND	B	A	A	A	A	D	D	A
Phosphoric Acid, 20%	C	B	A	A	ND	B	A	A	A	A	D	D	A
Phosphoric Acid, 30%	C	B	A	A	ND	ND	ND	A	A	A	D	D	A
Phosphoric Acid, 40%	C	B	A	A	ND	ND	ND	A	A	A	D	D	A
Phosphoric Acid, 45%	C	B	B	A	ND	ND	A	ND	A	A	D	D	A
Phosphoric Acid, 50%	C	B	B	A	ND	D	A	ND	A	A	D	D	A
Phosphoric Acid, 80%	D	B	B	A	ND	ND	ND	C	A	ND	D	D	B
Phosphoric Acid, 85%	D	C	B	A	ND	D	A	ND	A	B	D	D	B
Phosphoric Acid, concentrate	D	D	C	A	ND	D	A	ND	ND	ND	ND	ND	ND
Phosphoric Acid, crude	C	C	A	A	ND	C	ND	ND	A	ND	D	D	C
Phosphorus Oxychloride	ND	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phosphorus Pentoxide	ND	A	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Phosphorus Trichloride	D	D	D	A	ND	ND	ND	A	D	A	D	A	A
Phosphorus, yellow	ND	C	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Picric Acid	B	A	B	A	ND	D	B	ND	D	B	ND	ND	ND
Pine Oil	B	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Pinene	B	C	D	A	ND	D	B	ND	ND	ND	ND	ND	ND
Piperidine	D	D	D	A	ND	D	D	B	ND	ND	ND	ND	ND
Pitch	A	B	B	A	ND	D	B	ND	ND	ND	ND	ND	ND
Plating Solution, antimony	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	A
Plating Solution, arsenic	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	A
Plating Solution, brass	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	A
Plating Solution, bronze	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Plating Solution, cadmium	B	D	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Plating Solution, chrome	D	D	D	A	ND	D	D	ND	A	A	ND	ND	ND
Plating Solution, copper	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Plating Solution, cyanide	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Plating Solution, gold	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	A
Plating Solution, indium	A	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	A

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Plating Solution, iron	A	A	ND	A	ND	ND	ND	ND	A	ND	ND	ND	A
Plating Solution, lead	B	B	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Plating Solution, nickel	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Plating Solution, platinum	ND	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Plating Solution, rhodium	A	A	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Plating Solution, silver	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	A
Plating Solution, tin	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Plating Solution, zinc	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Poly Ethylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Poly Propylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Poly Vinyl Acetate Emulsion	ND	B	B	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Potassium Acetate	B	B	B	A	ND	D	D	ND	ND	ND	ND	ND	ND
Potassium Acid Sulfate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Bicarbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	B
Potassium Bichromate	A	B	A	A	ND	A	B	ND	A	ND	ND	ND	ND
Potassium Bisulfate	A	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Potassium Bisulfite	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Borate	A	A	A	A	ND	ND	ND	A	A	A	ND	ND	ND
Potassium Bromate	A	A	ND	A	ND	ND	ND	A	A	A	ND	ND	ND
Potassium Bromide	A	A	ND	A	ND	ND	ND	A	A	A	ND	ND	B
Potassium Carbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	A
Potassium Chlorate	D	C	A	A	ND	ND	ND	A	A	A	ND	ND	A
Potassium Chloride	A	A	A	A	ND	A	A	A	A	A	D	C	A
Potassium Chromate	B	A	C	A	ND	ND	ND	A	A	A	ND	ND	B
Potassium Cuprocyanide	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Potassium Cyanide	A	A	A	A	ND	A	A	A	A	A	ND	ND	A
Potassium Dichromate	A	B	A	A	ND	A	B	A	A	A	ND	ND	A
Potassium Ferricyanide	A	A	A	ND	ND	ND	A	ND	A	ND	ND	ND	ND
Potassium Fluoride	A	A	A	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Potassium Hydrate	C	B	A	A	ND	B	B	ND	ND	ND	ND	ND	ND
Potassium Hydroxide	C	B	A	A	ND	B	B	A	A	A	D	C	B
Potassium Hypochlorite	D	D	B	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Potassium Nitrate	A	A	A	A	ND	A	A	A	A	A	ND	ND	B
Potassium Perborate	ND	C	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Potassium Permanganate	D	C	A	ND	ND	ND	ND	ND	A	A	ND	ND	B
Potassium Persulfate	ND	C	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Potassium Phosphate	ND	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Salts	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Potassium Silicate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Sulfate	A	A	A	A	ND	A	A	ND	A	A	ND	ND	B

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Potassium Sulfide	A	A	A	A	ND	A	A	ND	ND	A	ND	ND	ND
Potassium Sulfite	A	A	A	A	ND	A	ND	ND	ND	A	ND	ND	ND
Potassium Thiosulfate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Producer Gas	A	B	B	A	ND	B	A	ND	ND	ND	ND	ND	ND
Propane	A	B	B	A	ND	D	C	D	A	ND	ND	ND	A
Propanediol	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propionaldehyde	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propionic Acid, 10%	D	D	B	A	ND	ND	ND	A	ND	ND	ND	ND	ND
Propyl Acetate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Propyl Aldehyde	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propyl Chloride	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene Diamine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene Dichloride	D	D	D	A	ND	ND	ND	ND	D	C	ND	ND	ND
Propylene Glycol	A	C	A	A	A	ND	ND	ND	ND	A	ND	ND	A
Propylene Oxide	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND
Prussic Acid	B	B	A	A	ND	B	C	ND	ND	ND	ND	ND	ND
Pyranol	A	D	D	A	ND	D	B	ND	ND	ND	ND	ND	ND
Pyridine	D	D	D	A	ND	D	D	B	D	B	A	A	B
Pyroligneous Acid	D	C	C	A	ND	A	D	ND	ND	ND	ND	ND	ND
Pyrrole	D	D	D	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Salicylic Acid	C	D	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Salt/Sea Water	A	A	A	A	ND	A	D	A	A	ND	ND	ND	A
Selenic Acid	ND	A	ND	ND	ND	ND	ND	ND	ND	B	ND	ND	ND
Sewage	A	B	A	A	ND	B	D	ND	ND	ND	ND	ND	ND
Silicate Esters	B	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND
Silicic Acid	A	A	A	A	ND	ND	ND	A	A	ND	ND	ND	ND
Silicone Oils & Greases	A	A	A	A	ND	C	A	C	A	ND	ND	ND	A
Silver Cyanide	ND	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Silver Nitrate	B	A	A	A	ND	A	A	A	A	A	ND	ND	A
Silver Salts	A	ND	ND	A	ND	ND	ND	A	ND	ND	ND	ND	ND
Soap Solutions	A	A	A	A	A	A	A	A	A	A	ND	ND	A
Sodium Acetate	B	B	B	A	ND	D	D	ND	A	A	ND	ND	B
Sodium Acid Sulfate	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium Aluminate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	A
Sodium Benzoate	ND	ND	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Sodium Bicarbonate	A	A	A	A	ND	A	ND	A	A	A	ND	ND	A
Sodium Bisulfate	B	C	A	A	ND	A	ND	A	A	A	ND	ND	A
Sodium Bisulfite	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	A
Sodium Borate	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	ND
Sodium Bromide	ND	ND	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Sodium Carbonate	A	A	ND	ND	ND	ND	ND	ND	A	A	ND	ND	A
Sodium Carbonate, anhydrous	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Sodium Carbonate, hydrated	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Sodium Carbonate, soda ash	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Sodium Chlorate	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	B
Sodium Chloride	A	A	A	A	ND	A	A	A	A	A	C	C	B
Sodium Chromate	A	A	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium Cyanide	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	A
Sodium Dichromate	ND	B	B	A	ND	ND	A	A	A	A	ND	ND	ND
Sodium Ferricyanide	ND	ND	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Sodium Ferrocyanide	ND	ND	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND
Sodium Fluoride	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND
Sodium Hydroxide	C	B	B	A	ND	B	B	ND	A	A	ND	ND	ND
Sodium Hydroxide, 3 molar	B	B	A	A	D	A	B	ND	ND	ND	ND	ND	ND
Sodium Hydroxide, 15%	A	A	A	A	D	ND	ND	A	A	ND	D	B	A
Sodium Hydroxide, 20%	A	A	A	A	D	ND	ND	A	A	ND	D	B	B
Sodium Hydroxide, 30%	ND	A	A	A	D	ND	ND	A	A	ND	D	B	B
Sodium Hydroxide, 50%	D	A	A	A	D	ND	ND	A	A	ND	D	B	B
Sodium Hydroxide, 70%	D	A	A	A	D	ND	ND	ND	A	ND	ND	ND	ND
Sodium Hydroxide, 73%	D	ND	ND	A	D	ND	ND	A	A	ND	ND	ND	ND
Sodium Hypochlorite, 5%	D	C	A	A	ND	B	D	A	A	ND	D	D	C
Sodium Hypochlorite, 15%	D	ND	ND	A	ND	ND	ND	A	A	ND	ND	ND	ND
Sodium Hypochlorite, 20%	D	D	D	A	ND	B	D	ND	A	ND	ND	ND	ND
Sodium Hypochlorite, concentrate	D	D	C	A	ND	B	D	ND	A	A	ND	ND	ND
Sodium Meta Phosphate	A	B	B	A	ND	A	ND	ND	A	ND	ND	ND	A
Sodium Nitrate	D	C	A	A	ND	D	ND	A	A	A	ND	ND	B
Sodium Nitrate, aqueous	A	ND	ND	A	ND	ND	ND	A	ND	ND	ND	ND	ND
Sodium Nitrite	ND	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Sodium Perborate	C	D	B	A	ND	B	ND	ND	A	ND	ND	ND	C
Sodium Peroxide	C	D	B	A	ND	D	D	ND	A	ND	ND	ND	A
Sodium Phosphate	A	A	A	A	ND	ND	A	A	A	ND	ND	ND	ND
Sodium Salts	A	B	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Sodium Silicate	A	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	B
Sodium Silicate, liquid	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Sodium Sulfate	A	A	A	A	ND	ND	A	ND	A	A	ND	ND	B
Sodium Sulfate, anhydrous	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND
Sodium Sulfide	A	A	A	A	ND	A	A	ND	A	A	ND	ND	B
Sodium Sulfite	A	A	A	A	ND	A	A	ND	A	A	ND	ND	ND
Sodium Thiosulfate	B	A	A	A	ND	A	A	ND	A	ND	ND	ND	A
Soybean Oil	A	C	C	A	ND	A	B	B	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Stannic Chloride	A	C	A	A	ND	B	B	ND	A	A	ND	ND	A
Stannic Chloride, 50%	A	C	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Stannic Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Stannous Chloride	A	C	A	A	ND	B	D	ND	A	A	ND	ND	ND
Stannous Chloride, 15%	A	C	A	A	ND	B	D	A	ND	ND	ND	ND	ND
Stannous Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Starch	A	A	A	ND	A	ND	ND	ND	A	A	ND	ND	A
Stearic Acid	B	C	C	A	ND	B	A	A	A	A	ND	ND	B
Stoddard Solvent	B	D	D	A	A	D	A	ND	D	ND	A	A	A
Styrene	D	D	D	A	ND	D	C	C	ND	ND	ND	ND	A
Styrene-Monomer	D	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND
Sulfite Liquors	B	C	B	A	ND	D	ND	ND	A	ND	ND	ND	ND
Sulfonic Acid	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfur	D	B	A	A	ND	B	B	A	A	B	ND	ND	ND
Sulfur Chloride	D	D	B	A	ND	C	ND	ND	A	ND	ND	ND	D
Sulfur Dioxide, dry	D	D	D	A	ND	B	ND	A	D	ND	A	A	B
Sulfur Dioxide, liquid	D	B	B	A	ND	B	ND	A	ND	ND	ND	ND	ND
Sulfur Dioxide, wet	D	C	C	A	ND	B	ND	ND	D	B	ND	ND	ND
Sulfur Hexa Fluoride	B	A	B	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Sulfur Trioxide	D	D	D	A	ND	B	ND	ND	A	ND	ND	ND	C
Sulfuric Acid, 3 molar	D	C	B	A	ND	D	C	ND	ND	ND	ND	ND	ND
Sulfuric Acid, 10%	A	B	B	A	B	D	C	A	A	A	D	D	C
Sulfuric Acid, 25%	C	B	B	A	B	D	C	A	A	A	ND	ND	ND
Sulfuric Acid, 30%	C	B	B	A	B	D	D	A	A	A	D	D	D
Sulfuric Acid, 50%	C	B	B	A	B	D	D	A	A	A	D	D	D
Sulfuric Acid, 60%	C	C	B	A	ND	D	D	A	A	B	D	ND	D
Sulfuric Acid, 70%	C	C	B	A	ND	D	D	A	A	B	D	ND	D
Sulfuric Acid, 75%	C	C	B	A	ND	D	D	A	A	C	D	ND	D
Sulfuric Acid, 80%	C	D	B	A	ND	D	D	A	A	C	D	ND	D
Sulfuric Acid, 85%	C	D	B	A	ND	D	D	A	C	D	D	ND	D
Sulfuric Acid, 90%	C	D	B	A	ND	D	D	A	C	D	D	ND	D
Sulfuric Acid, 95%	D	D	C	A	ND	D	D	B	D	D	D	A	D
Sulfuric Acid, 100%	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	A
Sulfuric Acid, anhydride	C	C	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND
Sulfuric Acid, concentrated	D	D	B	A	ND	D	D	A	ND	ND	ND	ND	ND
Sulfuric Acid, dilute	D	B	B	A	ND	D	C	A	ND	ND	ND	ND	ND
Sulfuric Acid, fuming	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND
Sulfuric Acid, oleum	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND
Sulfurous Acid	C	C	A	A	ND	ND	D	A	A	A	ND	ND	B
Sulfurous Acid, 10%	D	D	A	A	ND	D	D	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Sulfurous Acid, 10% to 75%	D	D	A	A	ND	D	D	ND	ND	ND	ND	ND	ND
Sulfurous Acid, 100%	D	D	A	A	ND	C	D	ND	ND	ND	ND	ND	ND
Sulfurous Acid, anhydride	C	C	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Tall Oil	C	B	C	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Tallow	A	B	B	A	A	B	A	ND	ND	A	ND	ND	A
Tannic Acid	B	A	A	A	ND	B	A	A	A	A	ND	ND	C
Tartaric Acid	A	B	A	A	ND	A	A	A	A	A	ND	ND	B
Terpineol	B	D	D	A	ND	ND	B	ND	ND	ND	ND	ND	ND
Tertiary Butyl Alcohol	B	B	B	A	ND	B	D	ND	ND	ND	ND	ND	ND
Tetra Chloro Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetra Chloro Ethane	D	D	D	A	ND	C	D	D	ND	ND	ND	ND	A
Tetra Chloro Ethylene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Tetra Chloro Methane	C	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND
Tetra Chloro Napthalene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetra Ethyl Lead	C	C	D	A	ND	ND	ND	ND	A	ND	ND	ND	ND
Tetra Ethylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetra Hydro Furan	D	D	D	A	D	ND	C	B	D	C	C	A	A
Tetra Hydro Napthalene	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Thionyl Chloride	ND	D	ND	A	ND	ND	ND	ND	D	D	ND	ND	ND
Tin Chloride	A	A	A	A	ND	A	B	ND	ND	ND	ND	ND	ND
Tin Salts	A	A	A	A	ND	B	B	ND	ND	ND	ND	ND	ND
Tin Tetra Chloride	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Titanium Tetra Chloride	C	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND
Toluene	D	D	D	A	C	D	D	D	ND	C	A	A	A
Toluene Diisocyanate	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Transformer Oil	A	B	D	A	ND	B	D	ND	A	C	ND	ND	ND
Triacetin	B	B	B	A	ND	ND	D	ND	ND	ND	ND	ND	ND
Tributyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tributyl Phosphate	D	D	D	A	ND	ND	D	ND	D	ND	ND	ND	ND
Trichloro Benzene	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloro Ethane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	A
Trichloro Ethylene	D	D	D	A	ND	ND	D	D	ND	ND	ND	ND	ND
Trichloro Propane	D	C	D	A	ND	ND	ND	ND	A	ND	ND	ND	A
Tricresyl Phosphate	D	D	C	A	D	C	D	ND	ND	ND	ND	ND	A
Tridecanol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethanol Amine	C	B	B	A	ND	ND	D	A	ND	ND	ND	ND	ND
Triethyl Amine	B	C	C	A	A	ND	ND	ND	A	ND	ND	ND	ND
Triethylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trinitro Toluene	D	B	B	A	ND	C	ND	ND	ND	ND	ND	ND	ND
Trioctyl Phosphate	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data



H O S E M A T E R I A L

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316
Triphenyl Phosphate	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trisodium Phosphate	A	A	A	A	ND	ND	A	A	A	A	C	A	A
Tritolyl Phosphate	D	D	C	A	ND	C	D	ND	ND	ND	ND	ND	ND
Tung Oil	A	B	B	A	ND	D	C	B	ND	ND	ND	ND	ND
Turbine Oil	B	D	D	A	ND	D	A	ND	ND	ND	ND	ND	ND
Turpentine	A	D	D	A	ND	D	D	D	A	C	A	A	A
Ucon-Hydrolube Oils	A	B	ND	A	ND	A	D	ND	ND	ND	ND	ND	ND
Undecanol	A	ND	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND
Unsymmetrical Dimethyl Hydrazine	B	B	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND
Uran	B	B	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Urea	D	B	A	A	ND	ND	ND	A	A	A	ND	ND	ND
Varnish	B	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND
Versilube	A	A	A	A	ND	C	A	ND	ND	ND	ND	ND	ND
Vinegar	C	C	A	A	B	A	D	A	A	A	C	A	A
Vinyl Acetate	D	D	C	A	ND	ND	ND	ND	D	ND	ND	ND	ND
Vinyl Benzene	D	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND
Vinyl Chloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Trichloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water	A	B	A	A	A	A	C	A	A	ND	ND	ND	ND
Wax (Molten)	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Wood Alcohol	A	A	A	A	A	A	D	ND	ND	ND	ND	ND	ND
Xylene	D	D	D	A	C	D	D	D	D	C	A	A	A
Zeolites	B	C	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc Acetate	B	B	C	A	ND	D	D	ND	ND	ND	ND	ND	ND
Zinc Carbonate	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc Chloride	A	A	A	A	ND	A	A	A	A	A	D	D	C
Zinc Chromate	A	A	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND
Zinc Salts	A	A	A	A	A	A	A	A	ND	ND	ND	ND	ND
Zinc Sulfate	A	A	A	A	ND	A	ND	A	ND	ND	ND	ND	ND

The ratings given in this chart are a consensus of available data. Be aware that this information is offered only as a guide. Performance in the field is influenced by temperature, media concentration and other application variables. Performance and suitability can only be determined by user evaluation under actual service conditions. Flexaust assumes no liability for the accuracy or completeness of the information presented. For chemicals not listed, contact us.

Rating Code:

A=Excellent B=Good C=Fair D=Not Recommended ND=No Data

