

# 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	Polyethylene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Acetaldehyde	D	C	D	A	ND	A	D	ND	C	B	B	A	A	B
Acetamide	A	C	B	A	ND	B	D	ND	ND	ND	ND	ND	A	A
Acetate Solvents	D	D	D	A	D	ND	ND	ND	C	ND	ND	ND	A	D
Acetic Acid, glacial	C	D	C	A	D	B	D	A	ND	B	ND	ND	A	B
Acetic Acid, 5%	B	A	A	A	A	A	D	A	A	A	ND	A	A	A
Acetic Acid, 10%	B	A	B	A	B	A	D	A	A	A	A	A	A	A
Acetic Acid, 20%	B	A	B	A	B	A	D	A	A	A	ND	A	A	A
Acetic Acid, 30%	B	C	B	A	ND	A	D	A	A	A	ND	A	A	A
Acetic Acid, 50%	B	C	C	A	ND	B	D	A	A	A	ND	A	A	A
Acetic Acid, 80%	B	C	ND	A	ND	ND	ND	A	A	A	ND	A	A	B
Acetic Anhydride	D	C	A	A	ND	C	D	A	C	ND	C	A	A	A
Acetone	D	C	C	A	D	B	D	A	C	B	A	A	A	B
Acetone Cyanhydrin	D	B	C	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Acetonitrile	C	C	B	A	ND	ND	ND	ND	ND	ND	A	A	A	ND
Acetophenone	D	D	D	A	ND	D	D	ND	ND	ND	ND	A	A	A
Acetyl Acetone	D	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Acetyl Chloride	D	D	D	A	ND	C	D	ND	C	ND	ND	A	A	ND
Acetylene	B	C	C	A	ND	B	A	A	A	ND	A	A	A	D
Acetylene Dichloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	D	D	C	A	ND	D	ND	A	C	B	ND	ND	ND	B
Adipic Acid	B	D	ND	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Alcohol, Allyl	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alcohol, Amyl	B	A	B	A	ND	D	D	B	C	A	ND	ND	A	B
Alcohol, Benzyl	D	C	B	A	D	ND	D	ND	ND	ND	ND	ND	A	A
Alcohol, Butyl	C	A	A	A	ND	B	D	ND	A	A	ND	ND	ND	B
Alcohol, Diacetone	D	C	B	A	ND	B	C	ND	ND	ND	ND	ND	ND	D
Alcohol, Furfuryl	D	D	D	A	ND	D	D	ND	ND	D	ND	ND	ND	ND

## 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	Polypropylene
Alcohol, Isopropyl	B	B	A	A	A	A	D	A	A	ND	ND	ND	ND	A
Alcohol, Methyl	A	A	A	A	A	A	D	A	A	A	ND	ND	ND	A
Alcohol, Octyl	B	B	A	A	ND	B	D	ND	ND	ND	ND	ND	ND	ND
Alcohol, Propargyl	ND	ND	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND	ND
Alcohol, Propyl	A	A	A	A	ND	A	D	ND	A	A	ND	ND	ND	A
Alcohols, Ethyl	A	A	A	A	A	A	D	A	A	ND	ND	ND	ND	A
Allyl Bromide	D	D	D	A	ND	ND	ND	ND	ND	D	ND	ND	ND	D
Allyl Chloride	D	D	D	A	ND	ND	ND	ND	C	ND	ND	ND	ND	ND
Aluminum Acetate	B	B	B	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Aluminum Chloride	A	A	A	A	ND	B	B	A	A	A	A	C	C	A
Aluminum Fluoride	A	A	A	A	ND	B	C	ND	A	A	ND	ND	B	A
Aluminum Hydroxide	B	A	B	A	ND	ND	ND	A	A	A	ND	ND	A	A
Aluminum Nitrate	A	B	A	A	ND	B	D	ND	A	ND	ND	ND	ND	A
Aluminum Oxychloride	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Aluminum Phosphate	A	A	A	A	ND	A	ND	A	ND	ND	ND	ND	ND	ND
Aluminum Sulfate	B	A	A	A	ND	A	D	A	A	A	C	A	ND	A
Amino Ethyl Ethanol Amine	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonia, anhydrous	C	A	C	A	ND	C	D	ND	ND	ND	ND	A	A	A
Ammonia, aqueous	A	ND	ND	A	A	ND	ND	A	A	ND	B	A	A	A
Ammonia, gas-cold	A	A	A	A	ND	A	A	A	A	ND	ND	ND	ND	ND
Ammonia, gas-hot	D	B	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Ammonia, liquid	A	ND	ND	A	ND	ND	ND	A	ND	ND	ND	ND	ND	A
Ammonium Acetate	A	A	A	A	ND	D	ND	A	A	B	ND	ND	ND	A
Ammonium Bicarbonate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonium Carbonate	D	B	B	A	ND	B	ND	A	A	A	ND	ND	B	A
Ammonium Chloride	B	A	A	A	ND	A	A	A	A	A	ND	ND	B	A
Ammonium Diphosphate	A	A	A	A	ND	A	ND	A	A	A	ND	ND	ND	ND
Ammonium Fluoride	B	B	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Ammonium Hydroxide	D	B	A	A	A	A	A	A	A	ND	ND	B	A	A
Ammonium Hydroxide, 3 molar	A	A	A	A	ND	A	D	A	ND	ND	ND	ND	ND	ND
Ammonium Hydroxide, concentrate	D	A	A	A	ND	A	D	A	ND	ND	ND	ND	ND	ND
Ammonium Metaphosphate	B	B	B	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Ammonium Nitrate	A	B	A	A	ND	B	D	A	A	A	ND	ND	A	A
Ammonium Nitrite	B	A	A	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Ammonium Persulfate	D	C	A	A	ND	ND	D	ND	A	ND	ND	ND	A	A
Ammonium Phosphate	A	A	A	A	ND	A	ND	A	A	ND	ND	ND	ND	A
Ammonium Phosphate, dibaic	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	C	A
Ammonium Phosphate, monobasic	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	C	A
Ammonium Phosphate, tribasic	A	C	A	A	ND	A	ND	ND	ND	ND	ND	ND	A	A
Ammonium Salts	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Ammonium Sulfate	B	A	A	A	A	A	A	A	A	A	ND	ND	B	A
Ammonium Sulfide	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Ammonium Sulfite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonium Thiocyanate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	ND	B

## 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	Polypropylene
Ammonium Thiosulfate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Acetate	D	D	D	A	D	D	D	A	C	B	B	B	A	D
Amyl Acetone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Amine	C	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Borate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Chloride	D	D	D	A	ND	D	ND	A	C	ND	ND	ND	ND	D
Amyl Chloronapthalene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Amyl Napthalene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Amyl Oleate	A	ND	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Amyl Phenol	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anethole	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	D	D	D	A	ND	D	D	A	C	A	B	A	A	B
Aniline Chlorohydrate	ND	ND	ND	ND	ND	ND	ND	ND	C	ND	ND	ND	ND	ND
Aniline Dyes	D	B	B	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Aniline Hydrochloride	C	D	D	A	ND	D	D	ND	C	ND	ND	ND	ND	ND
Animal Fats	A	B	B	A	ND	D	B	ND	ND	ND	ND	ND	ND	ND
Ansul Ether	C	D	D	A	ND	D	B	ND	ND	ND	ND	ND	ND	ND
Anthraquinone	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Anthraquinone Sulfonic Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Antimony Chloride	B	ND	ND	A	ND	ND	ND	ND	ND	A	ND	ND	ND	A
Antimony Pentachloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony Pentaculcide	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony Trichloride	A	ND	ND	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Aqua Regia	D	D	D	A	D	D	D	ND	ND	B	ND	ND	D	C
Aromatic Hydrocarbons	C	D	D	A	C	D	D	ND	ND	ND	ND	ND	ND	ND
Arsenic Acid	B	B	A	A	ND	A	C	A	A	A	ND	ND	B	A
Arsenic Chloride	C	B	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic Trichloride	C	B	D	A	ND	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	ND
ASTM Oil #2	A	B	D	A	A	D	B	C	ND	ND	ND	ND	ND	ND
ASTM Oil #3	A	C	C	A	A	C	B	D	ND	ND	ND	ND	ND	ND
ASTM Oil #4	B	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
ASTM Reference Fuel A	A	B	C	A	A	D	A	B	ND	ND	ND	ND	ND	ND
ASTM Reference Fuel B	A	D	D	A	ND	D	B	C	ND	ND	ND	ND	ND	ND
ASTM Reference Fuel C	B	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND	ND
Barium Carbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	B	A
Barium Chloride	A	A	A	A	ND	A	A	ND	A	A	ND	B	B	A
Barium Hydroxide	A	A	A	A	ND	A	B	A	A	A	B	A	A	A
Barium Salts	A	A	A	A	ND	A	A	A	ND	ND	ND	ND	ND	ND
Barium Sulfate	A	A	B	A	A	A	A	ND	A	A	A	A	A	A
Barium Sulfide	A	A	A	A	ND	A	A	ND	A	A	ND	ND	A	A
Benzaldehyde	D	D	D	A	ND	D	D	B	C	C	ND	ND	A	D
Benzene	D	D	D	A	D	D	D	C	C	B	A	A	B	D
Benzene Sulfonic Acid	C	B	B	A	ND	D	D	ND	A	A	C	A	ND	A
Benzene Sulfonic Acid, 10%	D	B	A	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	D	C	B	A	ND	B	D	A	A	A	ND	ND	B	D

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Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Benzoic Aldehyde	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Benzol	D	D	D	A	ND	D	D	ND	C	ND	ND	ND	ND	B
Benzotrichloride	D	ND	ND	A	ND	ND	ND	ND	ND	D	ND	ND	ND	D
Benzoyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Benzyl Acetate	D	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Benzoate	D	D	D	A	ND	A	ND	B	ND	ND	ND	ND	ND	ND
Benzyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Bismuth Carbonate	A	ND	A	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Blast Furnace Gas	D	D	C	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Bleach Solutions	D	C	A	A	C	B	D	ND	ND	ND	ND	ND	ND	D
Bone Oil	A	D	C	A	ND	B	B	D	B	ND	ND	A	A	ND
Borax	B	C	A	A	ND	B	A	A	A	ND	B	A	A	A
Boric Acid	C	C	A	A	A	A	A	A	A	A	ND	ND	B	A
Brake Fluid-Automotive	C	B	B	A	ND	C	ND	C	A	A	ND	ND	ND	ND
Brine	A	A	A	A	A	A	A	ND	A	ND	ND	ND	ND	A
Bromic Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Bromine	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	D
Bromo Benzene	D	D	D	A	ND	D	D	D	C	ND	ND	ND	ND	ND
Butadiene	D	D	D	A	ND	ND	D	D	A	ND	A	A	A	ND
Butane	A	A	B	A	ND	D	C	A	A	ND	A	A	A	D
Butanediol	A	ND	ND	A	ND	ND	ND	A	ND	A	ND	ND	ND	ND
Butanol, primary	A	A	A	A	ND	B	D	ND	A	ND	ND	ND	ND	A
Butanol, secondary	B	B	A	A	ND	A	D	ND	A	ND	ND	ND	ND	A
Butyl Acetate	D	D	D	A	D	D	D	A	A	A	A	A	ND	D
Butyl Acrylate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Amine	C	D	D	A	ND	B	D	ND	ND	ND	A	A	A	ND
Butyl Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Bromide	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Butyrate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Carbitol	C	B	B	A	D	B	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Cellosolve	C	C	B	A	D	ND	D	ND	A	ND	ND	ND	ND	ND
Butyl Chloride	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Ether	B	C	C	A	ND	D	B	ND	ND	ND	A	A	A	ND
Butyl Ethyl Acetaldehyde	D	ND	D	A	ND	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	ND
Butyl Oleate	D	D	D	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Phenol	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Butyl Phthalate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Butyl Stearate	B	D	D	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Butylene	B	C	C	A	ND	D	D	ND	A	ND	A	A	A	ND
Butyraldehyde	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Butyric Acid	D	C	C	A	ND	ND	ND	A	A	B	ND	ND	B	A
Butyric Anhydride	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium Acetate	B	B	B	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Calcium Bisulfate	A	A	A	A	ND	B	A	ND	ND	ND	ND	ND	ND	ND
Calcium Bisulfite	A	A	A	A	ND	A	A	ND	A	ND	ND	ND	ND	A

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Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Calcium Carbonate	A	A	A	A	ND	A	C	ND	A	A	ND	ND	A	A
Calcium Chlorate	A	C	A	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Calcium Chloride	B	A	A	A	A	A	A	A	A	A	C	B	B	A
Calcium Hydroxide	B	C	A	A	ND	A	C	A	A	A	ND	ND	A	A
Calcium Hypochlorite	D	D	A	A	ND	B	D	A	A	A	ND	ND	C	A
Calcium Nitrate	B	A	A	A	ND	B	A	A	A	A	ND	ND	ND	A
Calcium Oxide	A	A	A	A	ND	A	ND	A	A	A	ND	ND	ND	ND
Calcium Phosphate	A	B	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	A
Calcium Salts	A	A	A	A	A	B	A	ND	ND	ND	ND	ND	ND	ND
Calcium Sulfate	A	C	A	A	ND	ND	ND	ND	A	A	B	A	A	A
Calcium Sulfide	B	B	A	A	ND	B	A	ND	ND	ND	ND	ND	ND	ND
Calcium Sulfite	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	A
Cane Sugar	A	A	A	A	ND	A	D	A	A	A	ND	ND	ND	A
Caprylic Acid	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbinol	A	A	A	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Carbitol	B	B	B	A	D	B	D	ND	A	ND	ND	ND	ND	ND
Carbitol Acetate	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbolic Acid	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	A	B
Carbon Bisulfide	D	D	D	A	ND	C	C	ND	C	ND	ND	ND	ND	D
Carbon Dioxide	A	B	A	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	D
Carbon Monoxide	A	B	A	A	ND	A	A	A	A	A	ND	ND	A	A
Carbon Tetrachloride	C	D	D	A	D	D	D	ND	A	C	C	C	A	D
Carbon Tetrafluoride	D	D	D	A	ND	ND	ND	C	ND	ND	ND	ND	ND	ND
Carbonic Acid	B	A	A	A	ND	A	A	ND	A	A	ND	ND	B	A
Castor Oil	A	D	C	A	ND	A	A	B	C	A	A	A	A	A
Caustic Potash	C	B	A	A	D	B	B	A	A	ND	ND	ND	ND	ND
Caustic Soda	C	B	B	A	D	B	B	A	A	ND	ND	ND	ND	ND
Cellosolve	D	D	B	A	D	D	D	ND	A	ND	A	A	ND	ND
Cellulose Acetate	B	B	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cellulube	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroacetic Acid	D	D	D	A	ND	ND	D	A	ND	ND	ND	ND	ND	D
Chlorinated Hydrocarbons	D	D	D	A	D	ND	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	ND
Chlorine Dioxide Gas	D	D	C	A	ND	C	D	B	ND	ND	ND	ND	ND	ND
Chlorine Gas, dry	D	C	D	A	ND	ND	ND	C	A	ND	ND	ND	ND	C
Chlorine Gas, wet	D	D	D	A	ND	ND	ND	C	ND	ND	ND	ND	ND	D
Chlorine Water, saturated	D	D	B	A	ND	ND	ND	C	A	A	ND	ND	ND	D
Chloro Acetone	D	C	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Chloro Benzene	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND	D
Chloro Bromo Methane	D	D	D	A	ND	D	D	C	D	B	ND	ND	ND	ND
Chloro Butadiene	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Chloro Butane	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloro Pentane	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Chloro Phenol	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND

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Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Chloro Prene	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Chloro Propanone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloro Toluene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Chloroform	D	D	D	A	ND	D	D	D	ND	ND	ND	ND	ND	D
Chlorosulfonic Acid	D	D	D	A	ND	D	D	B	ND	ND	ND	ND	ND	D
Chlorothene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrome Alum	A	A	A	A	ND	A	ND	A	A	A	ND	ND	ND	A
Chromic Acid	D	D	B	A	ND	C	D	ND	ND	B	ND	ND	ND	B
Citric Acid	B	A	A	A	A	A	A	A	A	A	ND	ND	A	B
Cloric Acid, aqueous	D	ND	ND	A	ND	ND	ND	A	A	ND	ND	ND	ND	ND
Cobalt Chloride	A	A	A	A	ND	B	D	ND	ND	ND	ND	ND	ND	ND
Coconut Grease and Oil	A	D	C	A	ND	A	B	B	A	A	B	A	A	A
Cod-Liver Oil	B	B	B	A	ND	B	A	B	A	A	B	A	A	A
Coke Oven Gas	D	C	B	A	ND	B	D	ND	A	ND	ND	ND	ND	A
Copper Acetate	B	B	C	A	ND	D	D	ND	ND	A	ND	ND	ND	A
Copper Arsenate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper Chloride	A	D	A	A	ND	A	A	A	A	ND	ND	ND	C	A
Copper Cyanide	A	B	B	A	ND	A	A	ND	A	ND	ND	ND	A	A
Copper Nitrate	C	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	A	A
Copper Nitrite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper Salts	A	A	A	A	A	A	A	ND	A	ND	ND	ND	ND	A
Copper Sulfate	B	A	A	A	ND	A	A	A	A	ND	ND	C	A	A
Copper Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Corn Oil	A	D	B	A	ND	B	A	B	B	A	B	A	A	A
Cotton Seed Oil	A	B	B	A	A	A	A	B	A	A	ND	A	A	A
Creosote-Coal Tar	B	D	C	A	ND	D	C	B	D	D	ND	ND	ND	D
Creosote-Wood Tar	B	D	D	A	ND	D	C	B	D	D	ND	ND	ND	D
Cresylic Acid	C	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Cresylic Acid, 50%	D	D	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	A	ND
Crotonaldehyde	D	ND	D	A	ND	ND	ND	ND	D	ND	ND	ND	ND	ND
Cumene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Cupric Carbonate	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cupric Chloride	A	B	A	A	ND	A	A	ND	ND	A	ND	ND	ND	A
Cupric Hydroxide	B	ND	B	A	ND	A	ND	A	ND	A	ND	ND	ND	ND
Cupric Nitrate	A	A	A	A	ND	ND	ND	ND	ND	A	ND	ND	ND	A
Cupric Nitrite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cupric Sulfate	A	A	A	A	A	A	A	ND	A	A	ND	ND	ND	A
Cyclo Hexane	B	D	D	A	A	D	B	D	ND	C	A	A	A	D
Cyclo Hexanol	B	B	B	A	ND	D	C	C	D	A	C	A	A	A
Cyclo Hexanone	D	D	D	A	ND	D	D	B	D	ND	A	A	A	C
Cyclo Pentane	B	A	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Decalin	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND	ND
Decane	B	D	D	A	ND	B	B	ND	ND	ND	ND	ND	ND	ND
Decyl Alcohol	A	D	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Detergent, 2.5% in liquid	A	B	A	A	A	A	D	A	A	A	C	A	A	A
Diacetone Alcohol	D	C	B	A	ND	B	C	A	D	A	ND	ND	ND	ND

## 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	Polypropylene
Diamyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzyl Ether	D	D	D	A	ND	ND	B	ND	ND	ND	ND	ND	ND	ND
Dibenzyl Sebecate	D	D	D	A	ND	C	C	ND	ND	ND	ND	ND	ND	ND
Dibromo Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromo Ethane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Dibutyl Amine	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Dibutyl Ether	C	D	C	A	ND	D	B	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	D	D	D	A	C	B	C	A	D	ND	ND	ND	ND	B
Dibutyl Sebacate	D	D	D	A	ND	B	D	ND	B	ND	ND	ND	ND	ND
Dicalcium Phosphate	A	ND	A	A	ND	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	ND
Dichloro Benzene	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND	ND
Dichloro Butane	C	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Dichloro Ethane	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Ethyl Ether	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Ethylene	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Dichloro Hexane	D	ND	D	A	ND	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	ND
Dichloro Methane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Dichloro Pentane	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloro Propane	D	D	D	A	ND	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	ND
Diesel Oil, light	A	B	B	A	ND	D	C	D	ND	ND	ND	ND	ND	D
Diethanol Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Diethyl Amine	B	B	C	A	ND	B	C	ND	ND	ND	ND	ND	A	C
Diethyl Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Diethyl Ether	D	C	C	A	ND	D	A	A	D	ND	ND	ND	ND	C
Diethyl Ketone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Oxalate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phthalate	D	C	D	A	B	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Sebecate	D	D	D	A	ND	B	D	A	ND	ND	ND	ND	ND	ND
Diethyl Sulfate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Triamine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylene Dioxide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Diethylene Glycol	A	A	A	A	ND	B	D	ND	ND	A	ND	ND	A	A
Diethylene Glycol-Monobutyl Ether	A	B	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Diethylene Glycol-Monoethyl Ether	B	B	B	A	ND	B	D	ND	ND	ND	ND	ND	ND	ND
Diethylene Triamine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diglycolic Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Dihydroxy Ethyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diiso Butylene	B	D	D	A	ND	D	D	ND	ND	ND	A	A	A	ND
Diiso Decyl Adipate	D	ND	D	A	ND	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	ND
Diiso Octyl Adipate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

## 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	Polypropylene
Diiso Octyl Phthalate	D	ND	D	A	B	ND	ND	ND	ND	ND	ND	ND	ND	A
Diiso Propanol Amine	B	ND	C	A	ND	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	ND
Diiso Propyl Benzene	D	D	D	D	ND	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	ND
Diiso Propyl Ketone	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Diisobutyl Ketone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dilauryl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Amine	D	ND	D	A	ND	ND	ND	B	A	ND	ND	ND	ND	B
Dimethyl Aniline	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Dimethyl Ether	B	D	C	A	ND	A	ND	A	D	B	ND	ND	ND	ND
Dimethyl Formamide	C	D	D	A	D	B	D	A	D	ND	A	A	A	A
Dimethyl Phthalate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Sulfate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Sulfide	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro Toluene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Diocetyl Adipate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diocetyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diocetyl Phthalate	D	D	D	A	ND	C	D	B	D	B	A	A	A	D
Diocetyl Sebecate	D	D	D	A	ND	C	B	A	ND	ND	ND	ND	ND	ND
Dioxane	D	D	D	A	ND	D	D	A	ND	ND	C	C	C	D
Dioxolane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Dipentene	B	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Diphenyl	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Diphenyl Oxide	D	D	C	A	ND	C	ND	ND	ND	ND	ND	ND	A	ND
Diphenyl Phthylate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dipropyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dipropyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dipropylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disodium Phosphate	A	ND	A	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Divinyl Benzene	D	ND	D	A	ND	ND	ND	ND	D	ND	ND	ND	ND	ND
Dodecyl Alcohol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dodecyl Benzene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dodecyl Toluene	D	ND	D	A	ND	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	ND
Epichlorohydrin	D	D	D	A	ND	D	D	A	ND	ND	A	A	A	A
Ethanol	A	A	A	A	A	A	C	A	A	ND	ND	ND	ND	A
Ethanol Amine	B	B	B	A	ND	B	C	ND	ND	ND	ND	A	A	A
Ethers	D	D	D	A	ND	D	B	ND	D	ND	A	A	A	C
Ethoxy Ethanol	D	D	B	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Ethyl Acetate	D	D	D	A	D	B	D	A	D	B	A	A	A	C
Ethyl Acetoacetate	D	D	D	A	ND	B	D	ND	D	ND	ND	ND	ND	ND
Ethyl Acrylate	D	D	D	A	ND	B	D	ND	D	ND	ND	ND	ND	ND
Ethyl Alcohol	A	A	A	A	A	A	D	A	A	B	ND	ND	ND	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	Polypropylene
Ethyl Aluminum Dichloride	D	ND	D	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Amine	D	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	D	D	D	A	ND	D	D	D	ND	ND	ND	ND	ND	ND
Ethyl Benzoate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Ethyl Bromide	C	D	D	A	ND	D	ND	C	D	D	ND	ND	ND	D
Ethyl Butanol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Butyl Alcohol	A	ND	A	A	ND	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	ND
Ethyl Butyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Butyrate	D	D	D	A	ND	ND	ND	ND	ND	D	ND	ND	ND	D
Ethyl Cellulose	B	B	B	A	A	C	B	ND	ND	ND	ND	ND	ND	ND
Ethyl Chloride	C	C	D	A	ND	D	B	D	D	C	ND	ND	A	D
Ethyl Dichloride	D	D	D	A	ND	C	D	ND	ND	D	ND	ND	ND	D
Ethyl Ether	D	D	D	A	ND	D	B	D	D	D	ND	ND	ND	D
Ethyl Formate	D	B	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Hexanol	B	B	A	A	ND	B	D	C	ND	ND	ND	ND	ND	ND
Ethyl Iodide	D	D	D	A	ND	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	ND
Ethyl Mercaptan	D	D	D	A	ND	C	ND	B	ND	ND	ND	ND	ND	ND
Ethyl Methyl Ketone	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Ethyl Oxalate	D	D	D	A	ND	ND	A	ND	ND	ND	ND	ND	ND	ND
Ethyl Phthalate	D	ND	D	A	ND	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	ND
Ethyl Propyl Ketone	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Silicate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Sulfate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	D	ND
Ethylene	B	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene Bromide	D	D	D	A	ND	D	D	ND	D	ND	ND	ND	ND	ND
Ethylene Chloride	D	D	D	A	ND	C	D	D	D	ND	C	C	A	D
Ethylene Chlorohydrin	D	B	B	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Ethylene Diamine	C	A	B	A	ND	A	D	A	ND	ND	D	A	A	ND
Ethylene Dibromide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Ethylene Dichloride	D	D	D	A	ND	C	D	C	D	C	C	C	C	A
Ethylene Glycol	D	A	A	A	ND	A	B	A	A	A	D	A	A	A
Ethylene Glycol Monobutyl Ether	B	C	B	A	ND	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	ND
Ethylene Oxide	D	D	D	A	ND	D	D	A	D	ND	ND	ND	ND	ND
Fatty Acids	B	D	D	A	A	C	ND	B	A	A	ND	ND	A	A
Ferric Bromide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ferric Chloride	A	B	B	A	ND	B	A	A	A	A	D	D	D	A
Ferric Nitrate	A	A	A	A	ND	C	A	ND	A	A	ND	ND	B	A
Ferric Sulfate	B	A	A	A	ND	B	ND	ND	A	A	ND	ND	A	A
Ferrous Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ferrous Chloride	A	B	B	A	ND	ND	ND	ND	A	A	D	D	D	A
Ferrous Hydroxide	B	ND	B	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND

## HOSE MATERIAL

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Ferrous Sulfate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	B	A
Fish-Liver Oil	A	C	C	A	ND	B	ND	B	C	A	ND	ND	ND	ND
Fluorine Gas, dry	D	D	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorine Gas, wet	D	D	D	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	D
Fluo Benzene	D	D	D	A	ND	D	ND	D	ND	ND	ND	ND	ND	ND
Fluo Boric Acid	A	B	A	A	ND	ND	ND	ND	A	A	ND	ND	B	B
Fluo Silicic Acid	A	A	A	A	ND	D	B	A	A	A	ND	ND	B	A
Formaldehyde	C	D	B	A	ND	B	D	A	A	A	B	B	A	A
Formamide	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Formic Acid	D	D	B	A	ND	B	D	A	C	A	ND	ND	A	A
Freon 11	B	D	A	A	ND	D	D	C	A	ND	A	A	A	ND
Freon 112	B	B	B	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	C	D	A	A	ND	D	B	C	B	ND	A	A	A	ND
Freon 114	A	A	A	A	ND	D	A	C	ND	ND	A	A	A	ND
Freon 114B2	B	A	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Freon 115	A	A	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Freon 12	B	D	A	A	ND	D	A	C	B	A	A	A	A	A
Freon 13	A	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Freon 13B1	A	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Freon 142b	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 152a	A	A	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 21	D	C	D	A	ND	D	ND	ND	D	ND	A	A	A	ND
Freon 218	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 22	D	D	A	A	ND	D	D	ND	D	ND	A	A	A	ND
Freon 31	D	A	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 32	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 502	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon BF	B	B	B	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Freon C316	A	A	A	A	ND	ND	A	ND	ND	ND	ND	ND	ND	ND
Freon C318	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon MF	B	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Freon TA	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Freon TC	A	A	A	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Freon TF	C	D	A	A	ND	D	A	ND	ND	ND	A	A	A	ND
Freon TMC	B	B	B	A	ND	C	B	ND	ND	ND	ND	ND	ND	ND
Freon T-P35	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Freon T-WD602	B	B	B	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Fuel Oil	A	D	C	A	B	D	C	ND	ND	C	A	A	A	C
Fuel, ASTM A	A	B	C	A	A	D	A	B	ND	ND	ND	ND	ND	ND
Fuel, ASTM B	A	D	D	A	ND	D	B	C	ND	ND	ND	ND	ND	ND
Fuel, ASTM C	B	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND	ND
Fumaric Acid	A	B	B	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Furan	D	D	D	A	ND	ND	ND	ND	ND	ND	A	A	A	ND
Furfural	D	D	C	A	ND	D	D	ND	D	D	A	A	A	D
Gallic Acid	D	C	B	A	ND	ND	D	ND	A	A	ND	ND	ND	ND
Gasoline	A	B	D	A	A	D	B	D	ND	D	ND	ND	ND	D

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

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethylene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Gluconic Acid	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Glucose	A	A	A	A	ND	A	B	A	A	A	ND	ND	A	A
Glue, Animal	A	A	A	A	ND	A	A	A	A	A	B	B	A	A
Glycerine	A	A	A	A	A	A	B	A	A	A	A	ND	ND	A
Glycol	A	A	A	A	A	A	B	A	A	A	ND	ND	ND	ND
Glycolic Acid	B	B	ND	A	ND	ND	ND	A	A	ND	D	A	A	A
Grease	A	D	C	A	A	ND	ND	ND	ND	ND	ND	ND	A	ND
Helium	A	A	A	A	ND	A	A	A	A	A	ND	ND	ND	ND
Heptanal	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	A	D	B	A	A	D	B	D	A	C	A	A	A	D
Heptane Carboxylic Acid	C	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	D	A	C	A	ND	B	B	ND	ND	ND	ND	ND	ND	ND
Hexane	A	D	B	A	A	D	B	C	B	ND	A	A	A	D
Hexanol	A	B	B	A	ND	B	D	ND	A	ND	ND	ND	ND	ND
Hexene	A	B	C	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Hexyl Amine	C	ND	C	A	ND	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	ND
Hexylene	A	B	C	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Hexylene Glycol	A	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydraulic Oil (petroleum)	A	B	B	A	ND	C	A	ND	ND	ND	ND	ND	A	D
Hydro Bromic Acid	D	D	A	A	ND	D	D	B	C	B	D	D	D	B
Hydro Quinone	D	D	C	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Hydrochloric Acid, 10%	C	A	A	A	A	C	B	A	A	ND	D	D	D	A
Hydrochloric Acid, 20%	D	C	A	A	ND	C	C	A	A	A	D	D	D	A
Hydrochloric Acid, 25%	C	C	A	A	ND	C	D	A	A	ND	D	D	D	ND
Hydrochloric Acid, 37%	D	C	A	A	ND	C	ND	A	A	ND	D	D	D	A
Hydrochloric Acid, 38%	C	C	A	A	ND	C	D	A	A	C	D	D	D	C
Hydrochloric Acid, 40%	D	ND	A	ND	ND	ND	ND	ND	A	ND	D	D	D	A
Hydrochloric Acid, 50%	ND	ND	A	ND	ND	ND	ND	ND	A	ND	D	D	D	A
Hydrocyanic Acid	B	A	A	A	ND	B	C	A	A	A	ND	ND	A	A
Hydrocyanic Acid, 10%	B	A	A	ND	ND	B	ND	A	A	A	ND	ND	ND	A
Hydrofluosilicic Acid	B	C	B	A	ND	D	B	A	D	B	C	D	D	ND
Hydrofluoric Acid, 10%	B	A	A	A	ND	D	D	A	A	ND	ND	ND	ND	ND
Hydrofluoric Acid, 20%	C	C	A	ND	ND	D	D	A	A	C	ND	ND	C	C
Hydrofluoric Acid, 48%	D	C	A	A	ND	D	D	A	A	ND	ND	ND	ND	ND
Hydrofluoric Acid, 50%	C	C	A	A	ND	D	D	A	A	ND	D	D	C	C
Hydrofluoric Acid, 65%	D	C	A	A	ND	D	ND	A	A	ND	ND	ND	ND	ND
Hydrofluoric Acid, 75%	D	D	ND	A	ND	ND	ND	A	A	ND	ND	ND	D	C
Hydrofluoric Acid, 100%	D	ND	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	ND
Hydrogen	A	A	ND	A	ND	ND	ND	A	A	ND	ND	ND	ND	A
Hydrogen Bromide	D	D	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrogen Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	A
Hydrogen Cyanide	B	B	A	A	ND	B	C	ND	A	ND	ND	ND	ND	B
Hydrogen Fluoride	D	ND	ND	A	ND	ND	ND	ND	D	ND	ND	ND	ND	ND
Hydrogen Gas	A	A	B	A	ND	C	A	ND	ND	ND	A	A	A	ND

## 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	Polypropylene
Hydrogen Peroxide, 3%	D	B	B	A	ND	A	ND	A	A	A	ND	ND	ND	ND
Hydrogen Peroxide, 10%	D	C	B	A	ND	A	ND	A	A	A	ND	ND	ND	ND
Hydrogen Peroxide, 30%	D	D	C	A	ND	A	ND	A	A	A	A	C	C	C
Hydrogen Peroxide, 50%	D	D	C	A	ND	ND	ND	ND	A	ND	ND	ND	ND	D
Hydrogen Peroxide, 90%	D	D	C	A	ND	B	C	D	A	ND	ND	ND	ND	D
Hydrogen Peroxide, concentrate	D	D	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Hydrogen Phosphide	D	C	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Hydrogen Sulfide, aqueous	D	A	A	A	ND	ND	ND	A	A	A	ND	ND	A	A
Hydrogen Sulfide, dry-cold	A	A	A	A	ND	C	B	ND	ND	ND	ND	ND	ND	A
Hydrogen Sulfide, dry-hot	D	B	C	A	ND	C	B	ND	ND	ND	ND	ND	ND	A
Hydrogen Sulfide, wet-cold	D	A	B	A	ND	C	B	ND	ND	ND	ND	ND	ND	A
Hydrogen Sulfide, wet-hot	D	B	C	A	ND	C	ND	ND	ND	ND	ND	ND	ND	A
Hydroxyl Amine Sulfate	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Hypochlorous Acid	D	D	D	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Iodine	B	C	A	A	ND	ND	D	ND	D	B	ND	ND	D	D
Iron Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron Chloride	A	B	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Iron Hydroxide	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron Salts	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron Sulfate	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Iron Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iso Octane	A	B	B	A	B	D	B	C	ND	ND	ND	ND	ND	D
Iso Pentane	A	ND	D	A	ND	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	ND
Isoamyl Acetate	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Isoamyl Alcohol	A	B	A	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Isoamyl Bromide	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Butyrate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Chloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Ether	B	D	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isoamyl Phthalate	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutanol	B	B	A	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Isobutyl Acetate	D	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutyl Alcohol	B	B	A	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Isobutyl Aldehyde	D	C	D	A	ND	C	C	ND	ND	ND	ND	ND	ND	ND
Isobutyl Amine	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutyl Carbinol	A	B	A	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Isobutyl Chloride	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutyl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutylene	C	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Acetate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	B	ND
Isopropyl Amine	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Isopropyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND

## HOSE MATERIAL

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Isopropyl Ether	B	D	D	A	ND	D	B	B	ND	ND	ND	ND	A	C
Isopropyl Toluene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Jet Fuels JP-3	B	D	D	A	ND	D	B	ND	A	ND	A	A	A	ND
Jet Fuels JP-4	B	D	D	A	ND	D	B	C	A	ND	A	A	A	D
Jet Fuels JP-5	B	D	D	A	ND	D	B	ND	A	ND	A	A	A	D
Jet Fuels JP-6	A	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Kerosene	A	D	D	A	ND	D	B	C	A	B	A	A	A	D
Ketones	D	D	D	A	D	C	D	ND	ND	ND	A	A	A	D
Lacquers	D	D	D	A	D	D	D	C	ND	ND	ND	ND	A	A
Lactic Acid	C	C	A	A	ND	A	ND	A	B	A	C	A	A	A
Lauric Acid	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Lauryl Alcohol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lauryl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Lavender Oil	B	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Lead Acetate	B	B	C	A	ND	D	D	A	A	A	ND	ND	B	A
Lead Arsenate	ND	B	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead Nitrate	A	A	B	A	ND	B	ND	ND	A	ND	ND	ND	ND	ND
Lead Sulfamate	B	A	A	A	ND	B	ND	ND	ND	ND	ND	ND	ND	A
Lead Sulfate	A	B	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Lead Tetraethyl	B	D	D	A	ND	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	ND
Lime Sulfur, wet	A	A	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Limonene	C	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Linoleic Acid	B	D	D	A	ND	B	ND	ND	A	ND	ND	ND	ND	ND
Linseed Oil	A	B	B	A	ND	B	B	B	A	C	ND	ND	ND	A
Lubricating Oils	A	D	C	A	ND	C	B	C	A	D	A	A	A	B
Lye Solutions	B	B	A	A	ND	B	D	ND	A	ND	ND	ND	ND	A
Magnesium Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium Carbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Magnesium Chloride	A	A	A	A	ND	A	A	A	A	A	ND	ND	A	A
Magnesium Hydrate	B	B	A	A	ND	B	C	ND	ND	ND	ND	ND	ND	ND
Magnesium Hydroxide	B	B	A	A	ND	B	C	A	A	A	C	A	A	A
Magnesium Nitrate	A	B	A	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Magnesium Salts	A	A	A	A	ND	A	A	A	ND	ND	ND	ND	ND	ND
Magnesium Sulfate	A	B	A	A	ND	A	ND	A	A	A	ND	ND	A	A
Maize Oil	A	C	B	A	ND	B	A	ND	B	B	ND	ND	ND	A
Maleic Acid	D	B	C	A	ND	ND	ND	ND	A	B	ND	ND	A	C
Maleic Anhydride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Malic Acid	D	B	B	A	ND	B	ND	ND	A	ND	ND	ND	ND	ND
Manganese Salts	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Manganese Sulfate	A	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Manganese Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese Sulfite	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercuric Chloride	A	A	A	A	ND	A	ND	A	A	A	ND	ND	D	A
Mercuric Cyanide	A	B	A	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Mercurous Nitrate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	ND	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	Polypropylene
Mercury	A	A	A	A	ND	A	A	A	A	A	ND	ND	A	A
Mesityl Oxide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Methacrylic Acid	D	B	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Methane	A	B	B	A	ND	D	C	ND	A	ND	ND	ND	ND	C
Methanol	A	A	A	A	A	A	C	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	D	D	C	A	ND	D	D	ND	ND	ND	ND	ND	A	ND
Methyl Aceto Acetate	D	D	D	A	ND	B	D	ND	ND	ND	ND	ND	ND	ND
Methyl Acetone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	A	ND
Methyl Acrylate	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Methyl Amine	D	A	ND	A	ND	ND	ND	B	D	ND	ND	ND	A	ND
Methyl Amyl Acetate	D	D	B	A	ND	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	ND
Methyl Amyl Ketone	D	ND	D	A	D	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	D	D	D	A	ND	ND	ND	D	D	D	ND	ND	ND	D
Methyl Butyl Ketone	D	D	D	A	D	D	D	ND	ND	ND	ND	ND	A	ND
Methyl Cellosolve	D	D	C	A	D	D	D	ND	A	ND	ND	ND	ND	A
Methyl Cellulose	B	B	B	A	A	B	B	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	D	D	D	A	D	D	D	D	D	C	ND	ND	A	D
Methyl Cyanide	C	A	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Cyclohexane	D	ND	D	A	ND	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	A
Methyl Formate	D	B	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Hexanol	A	ND	A	A	ND	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	ND
Methyl Isobutyl Carbinol	B	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Methyl Isobutyl Ketone	D	D	D	A	D	D	D	ND	D	ND	A	A	A	D
Methyl Isopropyl Ketone	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	A	ND
Methyl Methacrylate	D	D	B	A	ND	C	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Propyl Ether	B	ND	B	A	ND	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	ND
Methyl Salicylate	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Sulfate	ND	C	ND	ND	ND	ND	ND	ND	C	ND	ND	ND	ND	ND
Methylated Spirits	A	B	A	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Methylene Bromide	D	D	D	A	ND	ND	ND	ND	B	ND	ND	ND	ND	ND
Methylene Chloride	D	D	D	A	D	D	D	D	D	C	ND	ND	A	D
Mineral Oils	A	D	D	A	A	B	A	C	A	C	A	A	A	C
Mono Chloro Acetic Acid	D	D	D	A	ND	D	ND	B	B	D	ND	ND	ND	ND
Mono Chloro Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Mono Ethanol Amine	D	D	D	A	ND	B	C	ND	ND	ND	ND	ND	ND	ND
Mono Ethyl Amine	C	ND	C	A	ND	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	ND
Mono Vinyl Acetate	D	D	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Muriatic Acid	D	D	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphtha	C	D	D	A	B	D	C	C	A	C	A	A	A	A
Naphthalene	D	D	D	A	ND	D	B	C	A	C	A	A	B	B
Napthenic Acid	B	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND

## 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	Polypropylene
Natural Gas	A	A	A	A	ND	A	B	ND	A	ND	ND	ND	ND	A
Neohexane	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel Acetate	D	B	D	A	ND	D	D	ND	A	ND	ND	ND	ND	ND
Nickel Chloride	A	B	A	A	ND	A	C	ND	A	A	ND	ND	C	A
Nickel Nitrate	A	B	A	A	ND	ND	A	ND	A	A	ND	ND	ND	A
Nickel Salts	A	B	A	A	ND	A	C	A	A	ND	ND	ND	ND	A
Nickel Sulfate	A	A	A	A	ND	A	C	A	A	A	ND	ND	B	A
Nitric Acid, 10%	D	B	A	A	ND	B	C	A	A	A	C	A	A	A
Nitric Acid, 20%	D	D	ND	ND	ND	ND	ND	A	A	A	ND	A	A	A
Nitric Acid, 25%	D	D	B	A	ND	C	C	A	A	A	ND	A	A	ND
Nitric Acid, 30%	D	D	D	A	ND	ND	ND	A	A	A	D	A	A	A
Nitric Acid, 35%	D	D	B	A	ND	D	C	ND	A	C	ND	A	A	ND
Nitric Acid, 40%	D	D	ND	ND	ND	ND	ND	ND	A	C	ND	ND	ND	C
Nitric Acid, 50%	D	D	C	A	ND	D	D	D	A	C	ND	ND	A	D
Nitric Acid, 60%	D	D	ND	A	ND	ND	ND	D	A	C	ND	ND	ND	ND
Nitric Acid, 69%	D	D	C	A	ND	D	D	D	A	C	ND	ND	ND	ND
Nitric Acid, 70%	D	D	D	A	ND	ND	ND	D	A	C	ND	ND	ND	D
Nitric Acid, 86%	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Nitric Acid, concentrate	D	D	C	A	ND	D	D	ND	D	D	C	A	A	D
Nitric Acid, dilute	D	B	A	A	ND	B	C	ND	ND	ND	ND	ND	ND	ND
Nitric Acid, red fuming	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND	ND
Nitro Benzene	D	D	D	A	ND	D	D	A	D	D	A	A	B	D
Nitro Methane	D	C	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Nitro Propane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Nitrogen Tetraoxide	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Nitrous Oxide	D	ND	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Octa Decanoic Acid	B	B	B	A	ND	B	A	ND	ND	ND	ND	ND	ND	ND
Octane	D	D	D	A	B	D	D	A	ND	ND	ND	ND	ND	ND
Octanol	B	B	A	A	ND	B	D	ND	ND	ND	ND	ND	ND	ND
Octyl Acetate	D	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Octyl Amine	C	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Octyl Carbinol	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Octylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oleic Acid	C	D	C	A	A	D	B	A	A	C	ND	ND	A	C
Oleum	D	D	D	A	ND	ND	ND	D	D	ND	ND	ND	A	D
Olive Oil	A	D	B	A	ND	D	A	ND	ND	ND	ND	ND	A	A
Ortho Dichloro Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Oxalic Acid	C	B	B	A	ND	B	D	A	A	A	ND	ND	A	A
Oxygen, cold	B	B	B	A	ND	A	A	A	ND	ND	ND	ND	ND	ND
Oxygen, hot	D	D	D	A	ND	B	D	A	ND	ND	ND	ND	ND	ND
Ozone	D	B	A	A	ND	A	A	A	A	C	ND	ND	ND	C
Palm Oil	A	D	C	A	ND	A	ND	B	B	B	A	A	A	ND
Palmitic Acid	A	B	C	A	ND	D	A	A	ND	ND	ND	ND	ND	ND
Palmitic Acid, 10%	A	C	C	ND	ND	ND	ND	ND	A	B	ND	ND	ND	A
Palmitic Acid, 70%	A	C	C	ND	ND	ND	ND	ND	B	B	ND	ND	ND	A
Para Dichloro Benzene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND

## HOSE MATERIAL

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Paraform Aldehyde	B	B	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-Cymene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Penta Chloro Phenol	D	D	ND	A	ND	C	ND	B	ND	B	ND	ND	ND	ND
Pentane	A	A	B	A	A	D	D	ND	ND	ND	ND	ND	ND	ND
Pentanol	B	A	B	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Pentanone	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentene	B	A	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Peracetic Acid	ND	ND	ND	ND	ND	ND	ND	ND	C	D	ND	ND	ND	D
Perchloric Acid	D	A	B	A	ND	D	D	D	ND	ND	ND	ND	ND	ND
Perchloric Acid, 10%	D	D	D	ND	ND	ND	ND	ND	A	A	ND	ND	ND	A
Perchloric Acid, 70%	D	D	D	ND	ND	ND	ND	ND	D	B	ND	ND	ND	A
Perchloro Ethylene	D	D	D	A	ND	C	D	D	ND	ND	A	A	A	D
Petrol	A	B	D	A	ND	C	B	ND	ND	ND	ND	ND	ND	ND
Petrolatum	A	B	B	A	A	D	A	ND	A	ND	ND	ND	A	ND
Petroleum Ether	A	B	D	A	ND	D	B	ND	ND	ND	ND	ND	ND	ND
Petroleum Naphtha	A	B	C	A	B	D	B	ND	ND	ND	ND	ND	ND	ND
Petroleum Oil, above 250 F.	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Petroleum Oil, below 250 F.	A	B	B	A	B	B	B	ND	ND	ND	ND	ND	ND	ND
Petroleum Oil, crude	A	B	B	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Phenol	D	D	C	A	ND	D	D	C	C	B	A	C	A	B
Phenol Sulfonic Acid	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenyl Chloride	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Phenyl Hydrazine	D	D	D	A	ND	ND	ND	ND	D	ND	ND	ND	ND	ND
Phorone	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Phosgene, gas	D	C	ND	A	ND	ND	ND	ND	B	ND	ND	ND	ND	D
Phosgene, liquid	D	C	ND	A	ND	ND	ND	ND	D	ND	ND	ND	ND	D
Phosphate Esters	D	D	D	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Phosphoric Acid, 10%	C	B	A	A	ND	B	A	A	A	A	D	D	A	A
Phosphoric Acid, 20%	C	B	A	A	ND	B	A	A	A	A	D	D	A	ND
Phosphoric Acid, 30%	C	B	A	A	ND	ND	ND	A	A	A	D	D	A	ND
Phosphoric Acid, 40%	C	B	A	A	ND	ND	ND	A	A	A	D	D	A	A
Phosphoric Acid, 45%	C	B	B	A	ND	ND	A	ND	A	A	D	D	A	A
Phosphoric Acid, 50%	C	B	B	A	ND	D	A	ND	A	A	D	D	A	A
Phosphoric Acid, 80%	D	B	B	A	ND	ND	ND	C	A	ND	D	D	B	A
Phosphoric Acid, 85%	D	C	B	A	ND	D	A	ND	A	B	D	D	B	A
Phosphoric Acid, concentrate	D	D	C	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Phosphoric Acid, crude	C	C	A	A	ND	C	ND	ND	A	ND	D	D	C	A
Phosphorus Oxychloride	ND	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phosphorus Pentoxide	ND	A	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND	B
Phosphorus Trichloride	D	D	D	A	ND	ND	ND	A	D	A	D	A	A	ND
Phosphorus, yellow	ND	C	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Picric Acid	B	A	B	A	ND	D	B	ND	D	B	ND	ND	ND	B
Pine Oil	B	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Pinene	B	C	D	A	ND	D	B	ND	ND	ND	ND	ND	ND	ND
Piperidine	D	D	D	A	ND	D	D	B	ND	ND	ND	ND	ND	ND
Pitch	A	B	B	A	ND	D	B	ND	ND	ND	ND	ND	ND	ND



## 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	Polypropylene
Plating Solution, antimony	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	A	A
Plating Solution, arsenic	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	A	A
Plating Solution, brass	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Plating Solution, bronze	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A	A
Plating Solution, cadmium	B	D	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Plating Solution, chrome	D	D	D	A	ND	D	D	ND	A	A	ND	ND	ND	A
Plating Solution, copper	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Plating Solution, cyanide	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Plating Solution, gold	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Plating Solution, indium	A	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	A	A
Plating Solution, iron	A	A	ND	A	ND	ND	ND	ND	A	ND	ND	ND	A	A
Plating Solution, lead	B	B	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Plating Solution, nickel	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Plating Solution, platinum	ND	A	ND	A	ND	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	A
Plating Solution, silver	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Plating Solution, tin	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Plating Solution, zinc	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Poly Ethylene Glycol	A	ND	A	A	ND	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	ND
Poly Vinyl Acetate Emulsion	ND	B	B	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Acetate	B	B	B	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Potassium Acid Sulfate	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Aluminium Sulfate	A	B	A	A	ND	B	ND	A	A	A	ND	ND	ND	A
Potassium Bicarbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	B	A
Potassium Bichromate	A	B	A	A	ND	A	B	ND	A	ND	ND	ND	ND	C
Potassium Bisulfate	A	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Potassium Bisulfite	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium Borate	A	A	A	A	ND	ND	ND	A	A	A	ND	ND	ND	A
Potassium Bromate	A	A	ND	A	ND	ND	ND	A	A	A	ND	ND	ND	A
Potassium Bromide	A	A	ND	A	ND	ND	ND	A	A	A	ND	ND	B	A
Potassium Carbonate	A	A	A	A	ND	ND	ND	ND	A	A	ND	ND	A	A
Potassium Chlorate	D	C	A	A	ND	ND	ND	A	A	A	ND	ND	A	A
Potassium Chloride	A	A	A	A	ND	A	A	A	A	A	D	C	A	A
Potassium Chromate	B	A	C	A	ND	ND	ND	A	A	A	ND	ND	B	A
Potassium Cuprocyanide	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Potassium Cyanide	A	A	A	A	ND	A	A	A	A	A	ND	ND	A	A
Potassium Dichromate	A	B	A	A	ND	A	B	A	A	A	ND	ND	A	A
Potassium Ferricyanide	A	A	A	ND	ND	ND	A	ND	A	ND	ND	ND	ND	A
Potassium Fluoride	A	A	A	ND	ND	ND	ND	ND	A	A	ND	ND	ND	A
Potassium Hydrate	C	B	A	A	ND	B	B	ND	ND	ND	ND	ND	ND	ND
Potassium Hydroxide	C	B	A	A	ND	B	B	A	A	A	D	C	B	A
Potassium Hypochlorite	D	D	B	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Potassium Iodide	B	A	A	A	ND	B	ND	A	B	B	ND	ND	ND	A
Potassium Nitrate	A	A	A	A	ND	A	A	A	A	A	ND	ND	B	A
Potassium Perborate	ND	C	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND	A

## HOSE MATERIAL

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

## HOSE MATERIAL

Chemical	Buna-N	Neoprene	Hypalon	Teflon	Acrylic	Silicone	Polyurethane	Santoprene (TPR)	PVC	Polyethelene (LLPE)	Aluminum	SS 304	SS 316	Polypropylene
Sodium Borate	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	ND	A
Sodium Bromide	ND	ND	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Sodium Carbonate	A	A	ND	ND	ND	ND	ND	ND	A	A	ND	ND	A	A
Sodium Carbonate, anhydrous	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Sodium Carbonate, hydrated	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Sodium Carbonate, soda ash	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	A
Sodium Chlorate	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	B	ND
Sodium Chloride	A	A	A	A	ND	A	A	A	A	A	C	C	B	A
Sodium Chromate	A	A	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	A
Sodium Cyanide	A	A	A	A	ND	A	ND	ND	A	A	ND	ND	A	A
Sodium Dichromate	ND	B	B	A	ND	ND	A	A	A	A	ND	ND	ND	A
Sodium Ferricyanide	ND	ND	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND	A
Sodium Ferrocyanide	ND	ND	ND	ND	ND	ND	ND	ND	A	A	ND	ND	ND	A
Sodium Fluo Aluminate , 10%	A	A	A	A	ND	B	ND	A	A	A	ND	ND	ND	ND
Sodium Fluoride	A	A	ND	A	ND	ND	ND	ND	A	A	ND	ND	ND	A
Sodium Hydroxide	C	B	B	A	ND	B	B	ND	A	A	ND	ND	ND	ND
Sodium Hydroxide, 3 molar	B	B	A	A	D	A	B	ND	ND	ND	ND	ND	ND	ND
Sodium Hydroxide, 15%	A	A	A	A	D	ND	ND	A	A	ND	D	B	A	A
Sodium Hydroxide, 20%	A	A	A	A	D	ND	ND	A	A	ND	D	B	B	A
Sodium Hydroxide, 30%	ND	A	A	A	D	ND	ND	A	A	A	D	B	B	A
Sodium Hydroxide, 50%	D	A	A	A	D	ND	ND	A	A	A	D	B	B	A
Sodium Hydroxide, 70%	D	A	A	A	D	ND	ND	ND	A	ND	ND	ND	ND	A
Sodium Hydroxide, 73%	D	ND	ND	A	D	ND	ND	A	A	ND	ND	ND	ND	ND
Sodium Hypochlorite, 5%	D	C	A	A	ND	B	D	A	A	ND	D	D	C	C
Sodium Hypochlorite, 15%	D	ND	ND	A	ND	ND	ND	A	A	ND	ND	ND	ND	C
Sodium Hypochlorite, 20%	D	D	D	A	ND	B	D	ND	A	ND	ND	ND	ND	C
Sodium Hypochlorite, concentrate	D	D	C	A	ND	B	D	ND	A	A	ND	ND	ND	C
Sodium Meta Phosphate	A	B	B	A	ND	A	ND	ND	A	ND	ND	ND	A	D
Sodium Nitrate	D	C	A	A	ND	D	ND	A	A	A	ND	ND	B	A
Sodium Nitrate, aqueous	A	ND	ND	A	ND	ND	ND	A	ND	ND	ND	ND	ND	ND
Sodium Nitrite	ND	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Sodium Perborate	C	D	B	A	ND	B	ND	ND	A	ND	ND	ND	C	A
Sodium Peroxide	C	D	B	A	ND	D	D	ND	A	ND	ND	ND	A	ND
Sodium Phosphate	A	A	A	A	ND	ND	A	A	A	ND	ND	ND	ND	A
Sodium Salts	A	B	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Sodium Silicate	A	A	A	A	ND	ND	ND	ND	A	ND	ND	ND	B	A
Sodium Silicate, liquid	A	A	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Sodium Sulfate	A	A	A	A	ND	ND	A	ND	A	A	ND	ND	B	A
Sodium Sulfate, anhydrous	A	A	A	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Sodium Sulfide	A	A	A	A	ND	A	A	ND	A	A	ND	ND	B	A
Sodium Sulfite	A	A	A	A	ND	A	A	ND	A	A	ND	ND	ND	A
Sodium Thiosulfate	B	A	A	A	ND	A	A	ND	A	ND	ND	ND	A	A
Soybean Oil	A	C	C	A	ND	A	B	B	ND	ND	ND	ND	ND	A
Stannic Chloride	A	C	A	A	ND	B	B	ND	A	A	ND	ND	A	A
Stannic Chloride, 50%	A	C	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Stannic Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

## 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	Polypropylene
Stannous Chloride	A	C	A	A	ND	B	D	ND	A	A	ND	ND	ND	A
Stannous Chloride, 15%	A	C	A	A	ND	B	D	A	ND	ND	ND	ND	ND	ND
Stannous Sulfide	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Starch	A	A	A	ND	A	ND	ND	ND	A	A	ND	ND	A	A
Stearic Acid	B	C	C	A	ND	B	A	A	A	A	ND	ND	B	D
Stoddard Solvent	B	D	D	A	A	D	A	ND	D	ND	A	A	A	D
Styrene	D	D	D	A	ND	D	C	C	ND	ND	ND	ND	A	ND
Styrene-Monomer	D	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Sulfite Liquors	B	C	B	A	ND	D	ND	ND	A	ND	ND	ND	ND	ND
Sulfonic Acid	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfur	D	B	A	A	ND	B	B	A	A	B	ND	ND	ND	D
Sulfur Chloride	D	D	B	A	ND	C	ND	ND	A	ND	ND	ND	D	D
Sulfur Dioxide, dry	D	D	D	A	ND	B	ND	A	D	ND	A	A	B	C
Sulfur Dioxide, liquid	D	B	B	A	ND	B	ND	A	ND	ND	ND	ND	ND	ND
Sulfur Dioxide, wet	D	C	C	A	ND	B	ND	ND	D	B	ND	ND	ND	C
Sulfur Hexa Fluoride	B	A	B	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Sulfur Trioxide	D	D	D	A	ND	B	ND	ND	A	ND	ND	ND	C	ND
Sulfuric Acid, 3 molar	D	C	B	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Sulfuric Acid, 10%	A	B	B	A	B	D	C	A	A	A	D	D	C	A
Sulfuric Acid, 25%	C	B	B	A	B	D	C	A	A	A	ND	ND	ND	A
Sulfuric Acid, 30%	C	B	B	A	B	D	D	A	A	A	D	D	D	A
Sulfuric Acid, 50%	C	B	B	A	B	D	D	A	A	A	D	D	D	A
Sulfuric Acid, 60%	C	C	B	A	ND	D	D	A	A	B	D	ND	D	A
Sulfuric Acid, 70%	C	C	B	A	ND	D	D	A	A	B	D	ND	D	A
Sulfuric Acid, 75%	C	C	B	A	ND	D	D	A	A	C	D	ND	D	B
Sulfuric Acid, 80%	C	D	B	A	ND	D	D	A	A	C	D	ND	D	B
Sulfuric Acid, 85%	C	D	B	A	ND	D	D	A	C	D	D	ND	D	B
Sulfuric Acid, 90%	C	D	B	A	ND	D	D	A	C	D	D	ND	D	B
Sulfuric Acid, 95%	D	D	C	A	ND	D	D	B	D	D	D	A	D	B
Sulfuric Acid, 100%	D	D	D	A	ND	D	D	ND	D	D	ND	ND	A	D
Sulfuric Acid, anhydride	C	C	C	A	ND	B	ND	ND	ND	ND	ND	ND	ND	ND
Sulfuric Acid, concentrated	D	D	B	A	ND	D	D	A	ND	ND	ND	ND	ND	ND
Sulfuric Acid, dilute	D	B	B	A	ND	D	C	A	ND	ND	ND	ND	ND	ND
Sulfuric Acid, fuming	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND	ND
Sulfuric Acid, oleum	D	D	D	A	ND	D	D	C	ND	ND	ND	ND	ND	ND
Sulfurous Acid	C	C	A	A	ND	ND	D	A	A	A	ND	ND	B	A
Sulfurous Acid, 10%	D	D	A	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Sulfurous Acid, 10% to 75%	D	D	A	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Sulfurous Acid, 100%	D	D	A	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Sulfurous Acid, anhydride	C	C	B	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Tall Oil	C	B	C	A	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Tallow	A	B	B	A	A	B	A	ND	ND	A	ND	ND	A	B
Tannic Acid	B	A	A	A	ND	B	A	A	A	A	ND	ND	C	A
Tartaric Acid	A	B	A	A	ND	A	A	A	A	A	ND	ND	B	A
Terpineol	B	D	D	A	ND	ND	B	ND	ND	ND	ND	ND	ND	ND
Tertiary Butyl Alcohol	B	B	B	A	ND	B	D	ND	ND	ND	ND	ND	ND	ND

## 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	Polypropylene
Tetra Chloro Benzene	D	ND	D	A	ND	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	A
Tetra Chloro Ethylene	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Tetra Chloro Methane	C	D	D	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Tetra Chloro Napthalene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetra Decanol	A	A	A	A	ND	B	ND	B	A	ND	ND	ND	ND	ND
Tetra Ethyl Lead	C	C	D	A	ND	ND	ND	ND	A	ND	ND	ND	ND	ND
Tetra Ethylene Glycol	A	ND	A	A	ND	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	D
Tetra Hydro Naphthalene	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Thionyl Chloride	ND	D	ND	A	ND	ND	ND	ND	D	D	ND	ND	ND	D
Tin Chloride	A	A	A	A	ND	A	B	ND	ND	ND	ND	ND	ND	ND
Tin Salts	A	A	A	A	ND	B	B	ND	ND	ND	ND	ND	ND	ND
Tin Tetra Chloride	A	ND	A	A	ND	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	ND
Toluene	D	D	D	A	C	D	D	D	ND	C	A	A	A	D
Toluene Diisocyanate	D	D	D	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Transformer Oil	A	B	D	A	ND	B	D	ND	A	C	ND	ND	ND	B
Triacetin	B	B	B	A	ND	ND	D	ND	ND	ND	ND	ND	ND	ND
Tributyl Amine	B	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tributyl Phosphate	D	D	D	A	ND	ND	D	ND	D	ND	ND	ND	ND	C
Trichloro Benzene	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloro Ethane	D	D	D	A	ND	D	D	ND	ND	ND	ND	ND	A	ND
Trichloro Ethylene	D	D	D	A	ND	ND	D	D	ND	D	ND	ND	ND	D
Trichloro Propane	D	C	D	A	ND	ND	ND	ND	A	ND	ND	ND	A	D
Tricresyl Phosphate	D	D	C	A	D	C	D	ND	ND	ND	ND	ND	A	ND
Tridecanol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethanol Amine	C	B	B	A	ND	ND	D	A	ND	ND	ND	ND	ND	ND
Triethyl Amine	B	C	C	A	A	ND	ND	ND	A	ND	ND	ND	ND	D
Triethylene Glycol	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trinitro Toluene	D	B	B	A	ND	C	ND	ND	ND	ND	ND	ND	ND	ND
Trioctyl Phosphate	D	D	D	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Triphenyl Phosphate	D	ND	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trisodium Phosphate	A	A	A	A	ND	ND	A	A	A	A	C	A	A	A
Tritolyl Phosphate	D	D	C	A	ND	C	D	ND	ND	ND	ND	ND	ND	ND
Tung Oil	A	B	B	A	ND	D	C	B	ND	ND	ND	ND	ND	ND
Turbine Oil	B	D	D	A	ND	D	A	ND	ND	ND	ND	ND	ND	ND
Turpentine	A	D	D	A	ND	D	D	D	A	C	A	A	A	B
Ucon-Hydrolube Oils	A	B	ND	A	ND	A	D	ND	ND	ND	ND	ND	ND	ND
Undecanol	A	ND	A	A	ND	A	ND	ND	ND	ND	ND	ND	ND	ND
Unsymmetrical Dimethyl Hydrazine	B	B	A	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND
Uran	B	B	ND	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Urea	D	B	A	A	ND	ND	ND	A	A	A	ND	ND	ND	A
Varnish	B	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND	A
Vegetable Oils	A	D	B	A	ND	C	ND	B	B	B	ND	ND	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	Polypropylene
Versilube	A	A	A	A	ND	C	A	ND	ND	ND	ND	ND	ND	ND
Vinegar	C	C	A	A	B	A	D	A	A	A	C	A	A	A
Vinyl Acetate	D	D	C	A	ND	ND	ND	ND	D	ND	ND	ND	ND	ND
Vinyl Benzene	D	D	D	A	ND	D	C	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Ether	B	ND	B	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	D	ND	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Trichloride	D	D	D	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water	A	B	A	A	A	A	C	A	A	ND	ND	ND	ND	A
Wax (Molten)	A	A	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Wood Alcohol	A	A	A	A	A	A	D	ND	ND	ND	ND	ND	ND	ND
Wood Oil	A	D	C	A	ND	D	C	B	C	B	ND	ND	ND	ND
Xylene	D	D	D	A	C	D	D	D	D	C	A	A	A	D
Yeast	ND	ND	A	ND	ND	A	ND	A	A	A	ND	ND	ND	A
Zeolites	B	C	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc Acetate	B	B	C	A	ND	D	D	ND	ND	ND	ND	ND	ND	ND
Zinc Carbonate	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc Chloride	A	A	A	A	ND	A	A	A	A	A	D	D	C	A
Zinc Chromate	A	A	C	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	A	ND	ND	ND	ND	A
Zinc Salts	A	A	A	A	A	A	A	A	ND	ND	ND	ND	ND	ND
Zinc Sulfate	A	A	A	A	ND	A	ND	A	ND	ND	ND	ND	ND	A

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