## () ideal-tek

### TECHNICAL DATA SHEET

# Engineering plastic type CF

### **General notes:**

- » PA66/CF30 polyamide 66 reinforced with 30 wt% carbon fibre
- » heat stabilized
- » very high rigidity, excellent tensile and flexural strength, fatigue and creep resistance
- » low friction, self lubricating properties, excellent wear and abrasion resistance
- » good heat capability
- » good chemical resistance (oils, grease, fuels, non polar solvents); not resistant to strong acids, alkalis and hot water or steam
- » ESD safe material, (avoid powder attraction, sparks generation, ignition sources)
- » very low coefficient of linear thermal expansion
- » typical applications include handling of sensitive components and devices (electronic components, micro-mechanical parts, glass and ceramic substrates, capillary, etc.)

### Mechanical properties

Flexural modulus +23°C	17000 MPa	ASTM D 790
Flexural modulus +60°C	12000 MPa	ASTM D 790
Flexural modulus +90°C	9800 MPa	ASTM D 790
Flexural modulus +120°C	8000 MPa	ASTM D 790
Tensile strength +23°C	210 MPa	ISO 527
Tensile strength +60°C	159 MPa	ISO 527
Tensile strength +90°C	134 MPa	ISO 527
Tensile strength +120°C	117 MPa	ISO 527
Rockwell hardness M	>100	ASTM D 785
Izod-Impact strength (notched) +23°C	70 J/m	ASTM D 256
Charpy-Impact strength (unnotched) +23°C	30 kJ/m²	DIN 53453

## Thermal properties

Temp. of defl. under load (1.80 MPa)	256 °C	ASTM D648
Temp. of defl. under load (0.45 MPa)	260 °C	ASTM D648
Vicat softening temperature (50°C/h 50N)	254 °C	ISO 306
Coef. of lin. therm expansion, normal	2,80 E-5/°C	ASTM D 696
Continuous Use Temperature	130°C	20'000 h
Short Time Temperature	190°C	

## **Electrical properties**

Surface resistivity	10 <sup>2</sup> Ohm	100V
Comparative tracking index	<100 Volts	IEC 112
Decay time	< 0.1 sec	1000-10 V

This document contains information based on average values as obtained from the results of laboratory tests and observations made on the material. Ideal-Tek SA declines all responsibility from an improper use of the product described in this document.





## Other properties

Density Water absorption in water 23°C (24h) 1.28 g/ccm 0.60% ISO 1183 ISO 62

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### TECHNICAL DATA SHEET

## Stainless steel type SA

#### **General notes:**

- » Low carbon austenitic steel (Material number 1.4435, DIN X2CrNiMo18-14-3, AISI number 316L)
- » contains from 16.5 to 18.5 wt% chromium and has important quantities of nickel and molybdenum as additional alloying elements
- » non-magnetizable
- » good corrosion resistance to most chemicals, salts and acids
- » generally used where corrosion resistance and toughness are primary requirements
- » typical applications include tweezers for the electronic industry, watch-makers, jewelers and laboratory and medical applications in moderately aggressive chemical environments

### Composition

Component	Wt.%	Component	Wt.%	Component	Wt.%
С	≤0.03	Si	≤1.0	Mn	≤2.0
Р	≤0.045	S	≤0.03	Cr	17.0-19.0
Мо	2.5-3.0	Ni	12.5-15.0		

### Mechanical properties

Density $8.0 \text{ g/cm}^3$ Hardness HB30 $\leq 215$ Hardness Rockwell B79Tensile strength, ultimate $500-700 \text{ MPa}$ Tensile strength, vield $290$
Hardness Rockwell B79Tensile strength, ultimate500-700 MPa
Tensile strength, ultimate500-700 MPa
Tensile strength, vield 290
0.2% Yield stress ≥ 200 MPa
Elongation, break 40%
Modulus of elasticity 200 GPa

## Thermal properties

Coef. of lin. therm expansion	16.0 E-6/°C	20°C-100°C
Coef. of lin. therm expansion	17.0 E-6/°C	20°C-300°C
Specific heat capacity	0.50 J/(g⋅K)	
Thermal conductivity	15 W/(m·K)	
Continuos use temperature	350°C	
Max service temperature, air	925°C	

## **Electrical properties**

### Resistivity

0.75 E-4 Ohm.cm

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#### Chemical Compatibility Plastic Material Chart for CF, CP, LC, SV and DG Ratings -- Chemical Effect

Ratings -- Chemical Effect A = Excellent. B = Good -- Minor Effect, slight corrosion or discoloration. C = Fair -- Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur. D = Severe Effect, not recommended for ANY use. N/A = Information Not Available. Explanation of Footnotes 1. Satisfactory to 72°F (22° C) 2. Satisfactory to 120°F (48° C)

Acetaldehyde Acetamide Acetate Solvent Acetic Acid 20% Acetic Acid 20% Acetic Acid 80% Acetic Acid 80% Acetic Acid, Glacial Acetone Acetyl Bromide Acetyl Bromide Acetyl Bromide Acetyl Chloride (dry) Acetylene Acetylene Acrylonitrile Adipic Acid Alcohols:Amyl Alcohols:Benzyl Alcohols:Bityl Alcohols:Diacetone Alcohols:Ethyl	A - Excellent A - Excellent A - Excellent D - Severe Effect D - Severe Effect B - Good A1 - Excellent D - Severe Effect B - Good A - Excellent B - Good A - Excellent N/A	A- Excellent N/A N/A A- Excellent A- Excellent A- Excellent N/A A- Excellent N/A N/A N/A	A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent	D- Severe Effect C- Fair A- Excellent C- Fair A- Excellent C- Fair A1- Excellent B1- Good	A- Excellent A- Excellent N/A D- Severe Effect C- Fair D- Severe Effect D- Severe Effect
cetate Solvent cetic Acid cetic Acid 20% cetic Acid 80% cetic Acid 80% cetic Acid, Glacial cetic Anhydride cetone cetyl Bromide cetyl Chloride (dry) cetyl chloride (dry) cetylene crylonitrile dipic Acid lcohols:Amyl lcohols:Benzyl lcohols:Butyl lcohols:Butyl lcohols:Etyl	A - Excellent D- Severe Effect D- Severe Effect B- Good A1- Excellent A - Excellent D- Severe Effect B- Good A- Excellent A - Excellent A1- Excellent	N/A A- Excellent A- Excellent A- Excellent N/A A- Excellent N/A N/A N/A	A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent	A- Excellent C- Fair A- Excellent C- Fair A1- Excellent	N/A D- Severe Effect C- Fair D- Severe Effect
setic Acid setic Acid 20% setic Acid 20% setic Acid 80% setic Acid, Glacial setic Anhydride setic Anhydride setyl Bromide setyl Bromide setyl Chloride (dry) setylene srylonitrile dipic Acid cohols:Amyl cohols:Benzyl cohols:Benzyl cohols:Butyl cohols:Butyl cohols:Ethyl	D- Severe Effect D- Severe Effect D- Severe Effect B- Good A1- Excellent D- Severe Effect B- Good A- Excellent A- Excellent A1- Excellent	A- Excellent A- Excellent A- Excellent N/A A- Excellent N/A N/A N/A	A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent	C- Fair A- Excellent C- Fair A1- Excellent	D- Severe Effect C- Fair D- Severe Effect
setic Acid 20% setic Acid 80% setic Acid, Glacial setic Anhydride setione setyl Bromide setyl Bromide setyl Chloride (dry) setylene ryylonitrile fipic Acid cohols:Benzyl cohols:Benzyl cohols:Butyl cohols:Butyl cohols:Etyl	D- Severe Effect D- Severe Effect B- Good A1- Excellent D- Severe Effect B- Good A- Excellent A1- Excellent	A- Excellent A- Excellent N/A A- Excellent N/A N/A N/A	A- Excellent A- Excellent A- Excellent A- Excellent	A- Excellent C- Fair A1- Excellent	C- Fair D- Severe Effect
zetic Acid 80% zetic Acid, Glacial zetic Anhydride zetone zetyl Bromide zetyl Chloride (dry) zetylonitrile dipic Acid cochols:Amyl cohols:Benzyl cohols:Betyl cochols:Diacetone cohols:Ethyl	D- Severe Effect B- Good A1- Excellent D- Severe Effect B- Good A- Excellent A1- Excellent	A- Excellent A- Excellent N/A A- Excellent N/A N/A	A- Excellent A- Excellent A- Excellent	C- Fair A1- Excellent	D- Severe Effect
eetic Acid, Glacial eetic Anhydride eetyl Eromide eetyl Bromide eetyl Chloride (dry) eetyl Chloride (dry) eetylene crytonitrile lipic Acid cohols:Amyl cohols:Benzyl cohols:Betyl cohols:Butyl cohols:Etyl	B- Good A1- Excellent A- Excellent D- Severe Effect B- Good A- Excellent A1- Excellent	A- Excellent N/A A- Excellent N/A N/A	A- Excellent A- Excellent	A1- Excellent	
eetic Anhydride setone setyl Bromide setyl Chloride (dry) setylene yrylonitrile tipic Acid cohols:Amyl cohols:Benzyl cohols:Betyl cohols:Butyl cohols:Etyl	A1- Excellent A- Excellent D- Severe Effect B- Good A- Excellent A1- Excellent	N/A A- Excellent N/A N/A	A- Excellent		D- Severe Effect
setic Anhydride setone setyl Bromide setyl Chloride (dry) setylene srylonitrile dipic Acid cohols:Amyl cohols:Benzyl cohols:Benzyl cohols:Butyl cohols:Etyl	A1- Excellent A- Excellent D- Severe Effect B- Good A- Excellent A1- Excellent	N/A A- Excellent N/A N/A	A- Excellent		
cetone cetyl Bromide cetyl Bromide cetylene crylonitrile dipic Acid lcohols:Amyl lcohols:Benzyl lcohols:Butyl lcohols:Diacetone lcohols:Ethyl	A- Excellent D- Severe Effect B- Good A- Excellent A1- Excellent	A- Excellent N/A N/A			D- Severe Effect
cetyl Bromide cetyl Chloride (dry) cetylene crylonitrile dipic Acid lcohols:Amyl lcohols:Benzyl lcohols:Butyl lcohols:Butyl lcohols:Ethyl	D- Severe Effect B- Good A- Excellent A1- Excellent	N/A N/A	A- EXCellent		
cetyl Chloride (dry) cetylene crylonitrile dipic Acid lcohols:Amyl lcohols:Benzyl lcohols:Diacetone lcohols:Diacetone	B- Good A- Excellent A1- Excellent	N/A		D- Severe Effect	A- Excellent
cetylene crylonitrile dipic Acid lcohols:Amyl lcohols:Benzyl lcohols:Diacetone lcohols:Ethyl	A- Excellent A1- Excellent		N/A	N/A	N/A
crylonitrile dipic Acid Icohols:Amyl Icohols:Benzyl Icohols:Diacetone Icohols:Ethyl	A1- Excellent		A- Excellent	A2- Excellent	D- Severe Effect
dipic Acid Icohols:Amyl Icohols:Benzyl Icohols:Butyl Icohols:Diacetone Icohols:Ethyl		A- Excellent	A- Excellent	A- Excellent	A- Excellent
icohols:Amyl Icohols:Benzyl Icohols:Butyl Icohols:Diacetone Icohols:Ethyl	N/A	A1- Excellent	N/A	A1- Excellent	N/A
Icohols:Benzyl Icohols:Butyl Icohols:Diacetone Icohols:Ethyl		N/A	N/A	A2- Excellent	N/A
Icohols:Benzyl Icohols:Butyl Icohols:Diacetone Icohols:Ethyl	A1- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
Icohols:Butyl Icohols:Diacetone Icohols:Ethyl	B1- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Icohols:Diacetone Icohols:Ethyl	D- Severe Effect	N/A	A- Excellent	A- Excellent	A- Excellent
lcohols:Ethyl					
	A- Excellent	N/A	N/A	A1- Excellent	A- Excellent
	A1- Excellent	N/A	A- Excellent	N/A	A1- Excellent
cohols:Hexyl	A- Excellent	N/A	N/A	N/A	A- Excellent
cohols:Isobutyl	A1- Excellent	N/A	N/A	N/A	A- Excellent
cohols:Isopropyl	D- Severe Effect	A- Excellent	A- Excellent	N/A	A- Excellent
cohols:Methyl	B1- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
lcohols:Octyl	A- Excellent		N/A	N/A	A- Excellent
cohols:Propyl	D- Severe Effect	A- Excellent	A- Excellent	A2- Excellent	A- Excellent
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luminum Chloride	B1- Good	A- Excellent	A- Excellent	A- Excellent	N/A
uminum Chloride 20%	D- Severe Effect	N/A	A- Excellent	A- Excellent	C- Fair
luminum Fluoride	A1- Excellent	N/A	A- Excellent	A- Excellent	C- Fair
uminum Hydroxide	A1- Excellent	N/A	N/A	A- Excellent	A- Excellent
uminum Nitrate	A1- Excellent	N/A	N/A	A2- Excellent	B1- Good
luminum Potassium Sulfate 10%	D- Severe Effect	N/A	N/A	B- Good	C- Fair
luminum Potassium Sulfate 100%	D- Severe Effect	N/A	N/A	N/A	C- Fair
uminum Sulfate	A2- Excellent	A- Excellent	A- Excellent	A- Excellent	B1- Good
ums	A- Excellent	A- Excellent	N/A	N/A	N/A
mines	D- Severe Effect	N/A	B- Good	N/A	D- Severe Effect
mmonia 10%	A- Excellent	A- Excellent	A1- Excellent	A- Excellent	D- Severe Effect
mmonia Nitrate	D- Severe Effect	N/A	A- Excellent	A- Excellent	C- Fair
mmonia, anhydrous	A1- Excellent	A- Excellent	A1- Excellent	A- Excellent	D- Severe Effect
		A- Excellent			
mmonia, liquid	B1- Good		A1- Excellent	A- Excellent	D- Severe Effec
mmonium Acetate	A- Excellent	N/A	N/A	N/A	N/A
mmonium Bifluoride	N/A	N/A	N/A	A- Excellent	D- Severe Effect
mmonium Carbonate	A1- Excellent	N/A	A- Excellent	A- Excellent	D- Severe Effect
mmonium Caseinate	N/A	N/A	N/A	N/A	D- Severe Effect
mmonium Chloride	B- Good	A- Excellent	A- Excellent	A- Excellent	B- Good
mmonium Hydroxide	A- Excellent	A- Excellent	A- Excellent	A- Excellent	C- Fair
mmonium Nitrate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A2- Excellent
mmonium Oxalate	N/A	N/A	N/A	N/A	B- Good
mmonium Persulfate	D- Severe Effect	N/A	N/A	A1- Excellent	D- Severe Effect
mmonium Phosphate, Dibasic	C1- Fair	N/A	A- Excellent	A- Excellent	B2- Good
mmonium Phosphate, Monobasic	B- Good	N/A	N/A	N/A	B- Good
mmonium Phosphate, Tribasic	B- Good	N/A	N/A	N/A	B- Good
mmonium Sulfate	A1- Excellent	N/A	A- Excellent	A- Excellent	B1- Good
mmonium Sulfite	A1- Excellent	N/A	N/A	N/A	D- Severe Effec
mmonium Thiosulfate	N/A	N/A	N/A	N/A	B- Good
myl Acetate	B2- Good	A- Excellent	A- Excellent	A2- Excellent	B1- Good
myl Alcohol	A1- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
myl Chloride	C1- Fair	N/A	N/A	A- Excellent	A- Excellent
niline	A2- Excellent	A- Excellent	A- Excellent	A1- Excellent	A1- Excellent
niline Hydrochloride	D- Severe Effect	N/A	N/A	A2- Excellent	N/A
ntifreeze	D- Severe Effect	N/A	A- Excellent	N/A	D- Severe Effect
ntimony Trichloride	D- Severe Effect	A- Excellent	N/A	A- Excellent	N/A
qua Regia (80% HCl, 20% HNO3)	D- Severe Effect	N/A	D- Severe Effect	A2- Excellent	D- Severe Effec
rochlor 1248	A1- Excellent	N/A	N/A	N/A	N/A
romatic Hydrocarbons	N/A	N/A	N/A	N/A	A- Excellent
rsenic Acid	C1- Fair	N/A	A- Excellent	A- Excellent	D- Severe Effec
rsenic Salts	A- Excellent	N/A	N/A	N/A	N/A
sphalt	A- Excellent	N/A	A- Excellent	A- Excellent	B2- Good
arium Carbonate	A1- Excellent	A- Excellent	A2- Excellent	A- Excellent	A- Excellent
arium Chloride	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
arium Cyanide	A1- Excellent	A- Excellent	N/A	N/A	B- Good
arium Hydroxide	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	D- Severe Effec
arium Nitrate	A1- Excellent	A- Excellent	N/A	N/A	B2- Good
arium Sulfate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B2- Good
arium Sulfide	A1- Excellent	A- Excellent	N/A	A- Excellent	A- Excellent
eer	A1- Excellent	A- Excellent	A2- Excellent	A- Excellent	A1- Excellent
eet Sugar Liquids	A- Excellent	N/A	N/A	A- Excellent	B- Good
enzaldehyde	A1- Excellent	N/A	A- Excellent	A2- Excellent	A- Excellent
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enzene	A1- Excellent	A- Excellent	A- Excellent	A2- Excellent	A1- Excellent
enzene Sulfonic Acid	D- Severe Effect	C- Fair	A- Excellent	N/A	N/A
enzoic Acid	D- Severe Effect	A- Excellent	A1- Excellent	A- Excellent	B- Good
Benzol	D- Severe Effect	N/A	A- Excellent	A- Excellent	A- Excellent

Chemical	CF	CP	LC	SV	DG
enzonitrile	N/A	N/A	A2- Excellent	N/A	N/A
enzyl Chloride	A2- Excellent	N/A	A2- Excellent	N/A	A- Excellent
eaching Liquors	C- Fair	A- Excellent	N/A	N/A	N/A
orax (Sodium Borate)	A- Excellent	N/A	A- Excellent	A- Excellent	B- Good
pric Acid	B- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
ewery Slop	N/A	N/A	N/A	N/A	B- Good
omine	D- Severe Effect	D- Severe Effect	D- Severe Effect	A- Excellent	D- Severe Effect
utadiene	C1- Fair	N/A	A1- Excellent	A- Excellent	A- Excellent
	A2- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
utanol (Butyl Alcohol)	B1- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
utter	N/A	N/A	N/A	N/A	A- Excellent
uttermilk	B1- Good	N/A	N/A	N/A	A- Excellent
utyl Amine	A2- Excellent	N/A	D- Severe Effect	A1- Excellent	C1- Fair
utyl Ether	A2- Excellent	N/A	A2- Excellent	A1- Excellent	D- Severe Effect
utyl Phthalate	A2- Excellent	N/A	A- Excellent	B1- Good	N/A
utylacetate	A- Excellent	A- Excellent	A- Excellent	B2- Good	A- Excellent
utylene	B1- Good	N/A	A- Excellent	A- Excellent	A- Excellent
utyric Acid	C1- Fair	N/A	A- Excellent	A- Excellent	A- Excellent
alcium Bisulfate	N/A	N/A	N/A	N/A	N/A
alcium Bisulfide	A- Excellent	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
alcium Bisulfite	A2- Excellent	N/A	A- Excellent	A- Excellent	D- Severe Effect
alcium Carbonate	A- Excellent	A- Excellent	N/A	A- Excellent	A- Excellent
alcium Chlorate	N/A	N/A	N/A	A- Excellent	A- Excellent
alcium Chloride	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
alcium Hydroxide	A2- Excellent	A- Excellent	A- Excellent	A2- Excellent	D- Severe Effect
alcium Hypochlorite	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
alcium Nitrate	A1- Excellent	A- Excellent	A- Excellent	A2- Excellent	D- Severe Effect
alcium Oxide	B- Good	N/A	A- Excellent	A- Excellent	A- Excellent
alcium Sulfate	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
algon	A- Excellent	N/A	N/A	N/A	A- Excellent
ane Juice	A- Excellent	N/A	N/A	A1- Excellent	A- Excellent
arbolic Acid (Phenol)	D- Severe Effect	A- Excellent	A- Excellent	A1- Excellent	D- Severe Effect
arbon Bisulfide	A- Excellent	N/A	A- Excellent	N/A	A- Excellent
arbon Dioxide (dry)	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
arbon Dioxide (wet)	A1- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
arbon Disulfide	B1- Good	N/A	A- Excellent	B2- Good	A1- Excellent
arbon Monoxide	A1- Excellent	A- Excellent	N/A	B- Good	A- Excellent
arbon Tetrachloride	D- Severe Effect	A- Excellent	A- Excellent	A2- Excellent	B1- Good
arbon Tetrachloride (dry)	N/A	N/A	A2- Excellent	A2- Excellent	N/A
arbon Tetrachloride (wet)	N/A	N/A	A2- Excellent	A2- Excellent	A1- Excellent
arbonated Water	A- Excellent	N/A	A- Excellent	N/A	A- Excellent
arbonic Acid	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B1- Good
atsup	A- Excellent	N/A	N/A	N/A	B- Good
hloric Acid	D- Severe Effect	N/A	N/A	N/A	D- Severe Effect
hlorinated Glue	N/A	N/A	N/A	N/A	D- Severe Effect
hlorine (dry)	D- Severe Effect	A- Excellent	D- Severe Effect	A- Excellent	D- Severe Effect
hlorine Water	C1- Fair	D- Severe Effect	D- Severe Effect	B- Good	D- Severe Effect
hlorine, Anhydrous Liquid	D- Severe Effect	D- Severe Effect	D- Severe Effect	A1- Excellent	A1- Excellent
hloroacetic Acid	D- Severe Effect	A- Excellent	A- Excellent	A1- Excellent	D- Severe Effect
hlorobenzene (Mono)	D- Severe Effect	N/A	A- Excellent	A1- Excellent	D- Severe Effect
hlorobromomethane	C- Fair	N/A	N/A	N/A	N/A
nloroform	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
nlorosulfonic Acid	D- Severe Effect	D- Severe Effect	D- Severe Effect	D- Severe Effect	D- Severe Effect
nocolate Syrup	A- Excellent	N/A	N/A	N/A	A- Excellent
nromic Acid 10%	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
nromic Acid 30%	D- Severe Effect	A- Excellent	B- Good	A2- Excellent	D- Severe Effect
nromic Acid 5%	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
nromic Acid 50%	D- Severe Effect	D- Severe Effect	A1- Excellent	A2- Excellent	D- Severe Effect
nromium Salts	B- Good	N/A	N/A	N/A	N/A
der	A- Excellent	N/A	N/A	N/A	A- Excellent
tric Acid	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B1- Good
tric Oils	N/A	N/A	N/A	N/A	B- Good
orox® (Bleach)	A- Excellent	N/A	D- Severe Effect	A- Excellent	D- Severe Effect
offee	A- Excellent	N/A	N/A	N/A	A- Excellent
opper Chloride	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	A- Excellent
opper Cyanide	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	A- Excellent
opper Fluoborate	N/A	N/A	N/A	N/A	B- Good
opper Nitrate	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	A- Excellent
opper Sulfate >5%	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
opper Sulfate 5%	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
ream	A- Excellent	N/A	N/A	N/A	A- Excellent
resols	D- Severe Effect	N/A N/A	A- Excellent	A2- Excellent	D- Severe Effect
resylic Acid	D- Severe Effect	N/A N/A	N/A	B1- Good	D- Severe Effect
upric Acid	D- Severe Effect	N/A N/A	A- Excellent	N/A	N/A
Jpric Acid	D- Severe Effect	N/A N/A	A- Excellent N/A	N/A N/A	D- Severe Effect
	N/A			A- Excellent	A1- Excellent
clohexane	N/A A- Excellent	A- Excellent	A- Excellent	D 0 F"	
vclohexane vclohexanone	N/A A- Excellent A- Excellent	A- Excellent N/A	A- Excellent	D- Severe Effect	A- Excellent
/clohexane /clohexanone etergents	N/A A- Excellent A- Excellent A1- Excellent	A- Excellent N/A N/A	A- Excellent A- Excellent	A- Excellent	A1- Excellent
/clohexane /clohexanone stergents acetone Alcohol	N/A A- Excellent A- Excellent A1- Excellent A1- Excellent A1- Excellent	A- Excellent N/A N/A N/A	A- Excellent A- Excellent N/A	A- Excellent D- Severe Effect	A1- Excellent N/A
/clohexane /clohexanone etergents acetone Alcohol chlorobenzene	N/A A- Excellent A- Excellent A1- Excellent A1- Excellent D- Severe Effect	A- Excellent N/A N/A N/A A- Excellent	A- Excellent A- Excellent N/A N/A	A- Excellent D- Severe Effect A- Excellent	A1- Excellent N/A N/A
rclohexane rclohexanone etergents acetone Alcohol chlorobenzene chloroethane	N/A A- Excellent A- Excellent A1- Excellent A1- Excellent D- Severe Effect A1- Excellent	A- Excellent N/A N/A N/A A- Excellent A- Excellent	A- Excellent A- Excellent N/A N/A A2- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent	A1- Excellent N/A N/A A1- Excellent
rclohexane rclohexanone etergents acetone Alcohol chlorobenzene chloroethane	N/A A- Excellent A- Excellent A1- Excellent A1- Excellent D- Severe Effect	A- Excellent N/A N/A N/A A- Excellent	A- Excellent A- Excellent N/A N/A	A- Excellent D- Severe Effect A- Excellent	A1- Excellent N/A N/A
rclohexane rclohexanone etergents acetone Alcohol chlorobenzene chloroethane esel Fuel	N/A A- Excellent A- Excellent A1- Excellent A1- Excellent D- Severe Effect A1- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A A- Excellent	A- Excellent A- Excellent N/A N/A A2- Excellent A- Excellent A- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent A1- Excellent	A1- Excellent N/A N/A A1- Excellent A- Excellent N/A
/clohexane /clohexanone tergents acetone Alcohol chlorobenzene chloroethane esel Fuel ethyl Ether	N/A       A- Excellent       A- Excellent       A1- Excellent       D- Severe Effect       A1- Excellent       A- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A	A- Excellent A- Excellent N/A N/A A2- Excellent A- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent	A1- Excellent N/A N/A A1- Excellent A- Excellent
/clohexane /clohexanone stergents acetone Alcohol chlorobenzene chloroethane esel Fuel ethyl Ether ethylamine	N/A       A- Excellent       A- Excellent       A1- Excellent       D- Severe Effect       A1- Excellent       A- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A A- Excellent	A- Excellent A- Excellent N/A N/A A2- Excellent A- Excellent A- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent A1- Excellent	A1- Excellent N/A N/A A1- Excellent A- Excellent N/A
rclohexane rclohexanone etergents acetone Alcohol chlorobenzene chloroethane esel Fuel ethyl Ether ethylamine ethylene Glycol	N/A       A- Excellent       A- Excellent       A1- Excellent       A1- Excellent       D- Severe Effect       A1- Excellent       A- Excellent       A- Excellent       A- Excellent       A- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A A- Excellent A- Excellent	A- Excellent N/A N/A A2- Excellent A- Excellent A- Excellent A2- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent A1- Excellent D- Severe Effect	A1- Excellent N/A N/A A1- Excellent A- Excellent N/A B- Good
vclohexane yclohexanone etergents iacetone Alcohol chlorobenzene ichloroethane iesel Fuel iethyl Ether iethylamine iethylamine iethylane Glycol imethyl Aniline	N/A       A- Excellent       A- Excellent       A1- Excellent       A1- Excellent       D- Severe Effect       A1- Excellent       A- Excellent       A- Excellent       A- Excellent       A- Excellent       A1- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A A- Excellent A- Excellent N/A	A- Excellent N/A N/A A2- Excellent A- Excellent A- Excellent A2- Excellent A- Excellent A- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent A1- Excellent D- Severe Effect A- Excellent	A1- Excellent N/A A1- Excellent A- Excellent N/A B- Good A1- Excellent
yclohexane yclohexanoe etergents iacetone Alcohol ichlorobenzene ichloroethane iesel Fuel iethyl Ether iethylether iethylene Glycol imethyl Aniline imethyl Formamide iphenyl	N/A       A- Excellent       A- Excellent       A1- Excellent       A1- Excellent       D- Severe Effect       A1- Excellent       A- Excellent       A- Excellent       A1- Excellent       A- Excellent       A- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A A- Excellent A- Excellent N/A N/A	A- Excellent N/A N/A A2- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent D- Severe Effect A- Excellent A1- Excellent	A1- Excellent N/A A1- Excellent A- Excellent N/A B- Good A1- Excellent D- Severe Effect
vclohexane yclohexanone etergents iacetone Alcohol ichlorobenzene ichloroethane iesel Fuel iethyl Ether iethyl Ether iethylamine iethylene Glycol imethyl Aniline imethyl Formamide	N/A           A- Excellent           A- Excellent           A1- Excellent           A1- Excellent           D- Severe Effect           A1- Excellent           A- Excellent           A1- Excellent           A- Excellent           A1- Excellent           A- Excellent           A- Excellent	A- Excellent N/A N/A A- Excellent A- Excellent N/A A- Excellent A- Excellent N/A N/A N/A A- Excellent	A- Excellent N/A N/A A2- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent A- Excellent	A- Excellent D- Severe Effect A- Excellent A- Excellent A- Excellent A1- Excellent D- Severe Effect A- Excellent A1- Excellent D- Severe Effect	A1- Excellent N/A N/A A1- Excellent A- Excellent N/A B- Good A1- Excellent D- Severe Effect D- Severe Effect

Chemical	CF	CP	LC	SV	DG
Epsom Salts (Magnesium Sulfate)	A1- Excellent	N/A	A- Excellent	A- Excellent	B- Good
thane	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	A1- Excellent
thanol	A1- Excellent	N/A	A- Excellent	N/A	A1- Excellent
thanolamine	A- Excellent	N/A	A- Excellent	C1- Fair	D- Severe Effect
her	A- Excellent	N/A	A- Excellent	B1- Good	A1- Excellent
hyl Acetate	A2- Excellent	A- Excellent	A- Excellent	D- Severe Effect	A- Excellent
hyl Benzoate	N/A	N/A	N/A	D- Severe Effect	N/A
hyl Chloride	A1- Excellent	N/A	A- Excellent	A- Excellent	A1- Excellent
hyl Ether	A1- Excellent	N/A	A- Excellent	A2- Excellent	A1- Excellent
hyl Sulfate	N/A	N/A	N/A	N/A	N/A
hylene Bromide	N/A	N/A	N/A	A- Excellent	N/A
thylene Chloride	A- Excellent	N/A	A- Excellent	A- Excellent	A1- Excellent
thylene Chlorohydrin	D- Severe Effect	N/A	A2- Excellent	A- Excellent	D- Severe Effect
hylene Diamine	D- Severe Effect	N/A	A- Excellent	B- Good	D- Severe Effect
hylene Dichloride	A1- Excellent	N/A	A- Excellent	A- Excellent	B1- Good
hylene Glycol	A- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good
hylene Oxide	A1- Excellent	A- Excellent	D- Severe Effect	A- Excellent	D- Severe Effect
atty Acids	A1- Excellent	A- Excellent	N/A	A- Excellent	A- Excellent
erric Chloride	A- Excellent	B- Good	A- Excellent	A- Excellent	D- Severe Effect
erric Nitrate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
erric Sulfate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
errous Chloride	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
errous Sulfate	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
uoboric Acid	D- Severe Effect	N/A	A- Excellent	A1- Excellent	A1- Excellent
uorine	D- Severe Effect	D- Severe Effect	D- Severe Effect	A1- Excellent	D- Severe Effect
uosilicic Acid	D- Severe Effect	N/A	A- Excellent	A1- Excellent	A1- Excellent
	D- Severe Effect				
ormaldehyde 100%		A- Excellent	B- Good	A- Excellent	A- Excellent
ormaldehyde 40%	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A2- Excellent
ormic Acid	D- Severe Effect	B- Good	A- Excellent	A- Excellent	A2- Excellent
eon 113	N/A	A- Excellent	A- Excellent	B- Good	A- Excellent
eon 12	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good
eon 22	B- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
eon TF	D- Severe Effect	N/A	D- Severe Effect	B- Good	A- Excellent
eon® 11	D- Severe Effect	N/A	A- Excellent	A- Excellent	D- Severe Effect
ruit Juice	A- Excellent	A- Excellent	N/A	A- Excellent	D- Severe Effect
uel Oils	A1- Excellent	N/A	A- Excellent	B- Good	A- Excellent
ıran Resin	N/A	N/A	A- Excellent	D- Severe Effect	D- Severe Effect
urfural	B- Good	N/A	A- Excellent	B2- Good	A- Excellent
allic Acid	A- Excellent	N/A	A- Excellent	A1- Excellent	N/A
asoline (high-aromatic)	A- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good
asoline, leaded, ref.	A2- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
asoline, inedded, iei.	A2- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
elatin	A1- Excellent	A- Excellent	N/A	A- Excellent	B- Good
lucose	A- Excellent	N/A	B- Good	A- Excellent	A- Excellent
lue, P.V.A.	A1- Excellent	N/A	N/A	N/A	A- Excellent
lycerin	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
lycolic Acid	N/A	N/A	A- Excellent	B- Good	A- Excellent
old Monocyanide	N/A	N/A	N/A	A- Excellent	A- Excellent
rape Juice	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
rease	N/A	N/A	N/A	A- Excellent	D- Severe Effect
eptane	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
exane	B- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
oney	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
vdraulic Oil (Petro)	A1- Excellent	A- Excellent	D- Severe Effect	A- Excellent	B- Good
ydraulic Oil (Synthetic)	A1- Excellent	A- Excellent	N/A	A- Excellent	N/A
/drazine	N/A	A- Excellent	A2- Excellent	A- Excellent	B- Good
/drobromic Acid 100%	D- Severe Effect	D- Severe Effect	A1- Excellent	A- Excellent	D- Severe Effect
vdrobromic Acid 20%	D- Severe Effect	N/A	A1- Excellent	A- Excellent	C- Fair
ydrochloric Acid 100%	D- Severe Effect	A- Excellent	D- Severe Effect	A- Excellent	C- Fair
vdrochloric Acid 20%	D- Severe Effect	A- Excellent	D- Severe Effect	A- Excellent	C- Fair
ydrochloric Acid 20 %	D- Severe Effect	A- Excellent	D- Severe Effect	A- Excellent	C- Fair
vdrochloric Acid, Dry Gas	A1- Excellent	N/A	A- Excellent	A- Excellent	N/A
ydrocyanic Acid	B- Good	A- Excellent	B- Good	A- Excellent	B- Good
vdrocyanic Acid (Gas 10%)					
	N/A	N/A	N/A	N/A	C- Fair
vdrofluoric Acid 100%	D- Severe Effect	D- Severe Effect	D- Severe Effect	A- Excellent	D- Severe Effect
vdrofluoric Acid 20%	C1- Fair	D- Severe Effect	C1- Fair	A- Excellent	D- Severe Effect
ydrofluoric Acid 50%	D- Severe Effect	D- Severe Effect	D- Severe Effect	A- Excellent	D- Severe Effect
ydrofluoric Acid 75%	D- Severe Effect	D- Severe Effect	D- Severe Effect	A- Excellent	D- Severe Effect
ydrofluosilicic Acid 100%	D- Severe Effect	N/A	A1- Excellent	A1- Excellent	A- Excellent
ydrofluosilicic Acid 20%	D- Severe Effect	N/A	A- Excellent	A- Excellent	B- Good
ydrogen Gas	A2- Excellent	N/A	A- Excellent	A- Excellent	N/A
ydrogen Peroxide 10%	C1- Fair	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
vdrogen Peroxide 100%	D- Severe Effect	N/A	C- Fair	A1- Excellent	D- Severe Effect
/drogen Peroxide 30%	D- Severe Effect	N/A	A1- Excellent	A- Excellent	D- Severe Effect
/drogen Peroxide 50%	D- Severe Effect	N/A	N/A	A1- Excellent	D- Severe Effect
/drogen Sulfide (agua)	C1- Fair	N/A	A- Excellent	A- Excellent	C- Fair
/drogen Sulfide (dry)	C1- Fair	A- Excellent	A- Excellent	A- Excellent	N/A
/droguinone			N/A		A- Excellent
-	D- Severe Effect	N/A		N/A	
vdroxyacetic Acid 70%	N/A	N/A	N/A	A- Excellent	A- Excellent
k	C- Fair	N/A	N/A	A- Excellent	B- Good
	A- Excellent	C- Fair	D- Severe Effect	A2- Excellent	D- Severe Effect
		N/A	N/A	A- Excellent	D- Severe Effect
	C- Fair		N/A	C- Fair	N/A
dine (in alcohol)	C- Fair N/A	N/A			
dine (in alcohol) doform		N/A A- Excellent	A- Excellent	A2- Excellent	N/A
dine (in alcohol) doform poctane	N/A		A- Excellent N/A	A2- Excellent D- Severe Effect	N/A D- Severe Effect
dine (in alcohol) doform ooctane opropyl Acetate	N/A A1- Excellent B1- Good	A- Excellent N/A	N/A	D- Severe Effect	D- Severe Effect
dine (in alcohol) doform ooctane opropyl Acetate opropyl Ether	N/A A1- Excellent B1- Good A1- Excellent	A- Excellent N/A N/A	N/A N/A	D- Severe Effect D- Severe Effect	D- Severe Effect D- Severe Effect
dine (in alcohol) doform ooctane opropyl Acetate opropyl Ether otane	N/A A1- Excellent B1- Good A1- Excellent D- Severe Effect	A- Excellent N/A N/A N/A	N/A N/A N/A	D- Severe Effect D- Severe Effect A- Excellent	D- Severe Effect D- Severe Effect N/A
dine dine (in alcohol) doform ococtane opropyl Acetate opropyl Ether otane at Fuel (JP3, JP4, JP5) erosene	N/A A1- Excellent B1- Good A1- Excellent	A- Excellent N/A N/A	N/A N/A	D- Severe Effect D- Severe Effect	D- Severe Effect D- Severe Effect

Chemical	CF	CP	LC	SV	DG
Lacquer Thinners	A1- Excellent	N/A	N/A	N/A	D- Severe Effect
Lacquers	A1- Excellent	N/A	N/A	D- Severe Effect	D- Severe Effect
Lactic Acid Lard	B- Good A1- Excellent	A- Excellent N/A	A- Excellent N/A	B1- Good A- Excellent	B- Good A- Excellent
Latex	A1- Excellent	N/A N/A	N/A N/A	A- Excellent	B- Good
Lead Acetate	A- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good B- Good
Lead Nitrate	N/A	N/A	A- Excellent	A2- Excellent	N/A
Lead Sulfamate	B1- Good	N/A	N/A	A- Excellent	A- Excellent
Ligroin	D- Severe Effect	N/A	N/A	A- Excellent	B- Good
Lime	A1- Excellent	A- Excellent	N/A	A- Excellent	B- Good
Linoleic Acid	N/A	N/A	N/A	A2- Excellent	B- Good
Lithium Chloride	N/A	N/A	A- Excellent	A2- Excellent	A- Excellent
Lithium Hydroxide	N/A	N/A	N/A	N/A	N/A
Lubricants	A1- Excellent A2- Excellent	A- Excellent N/A	A- Excellent A- Excellent	A- Excellent A2- Excellent	A- Excellent D- Severe Effect
Lye: Ca(OH)2 Calcium Hydroxide Lye: KOH Potassium Hydroxide	C- Fair	N/A N/A	A- Excellent	A2- Excellent	A- Excellent
Lye: NaOH Sodium Hydroxide	A- Excellent	N/A N/A	A- Excellent	D- Severe Effect	C- Fair
Magnesium Bisulfate	A1- Excellent	N/A	N/A	N/A	N/A
Magnesium Carbonate	N/A	N/A	N/A	A- Excellent	A- Excellent
Magnesium Chloride	A1- Excellent	A- Excellent	A1- Excellent	A- Excellent	B1- Good
Magnesium Hydroxide	B1- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Magnesium Nitrate	A1- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
Magnesium Oxide	N/A	N/A	N/A	N/A	A- Excellent
Magnesium Sulfate (Epsom Salts)	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good
Maleic Acid	A- Excellent	A- Excellent	B- Good	A- Excellent	A- Excellent
Maleic Anhydride	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Malic Acid	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Manganese Sulfate	A2- Excellent	N/A	A2- Excellent	A2- Excellent	A1- Excellent
Mash	A- Excellent	N/A	N/A	N/A	A- Excellent
Mayonnaise Melamine	A- Excellent	N/A N/A	N/A N/A	A- Excellent	A- Excellent A- Excellent
Melamine Mercuric Chloride (dilute)	A- Excellent D- Severe Effect	A- Excellent	A- Excellent	N/A A- Excellent	A- Excellent B- Good
Mercuric Chloride (dilute) Mercuric Cyanide	A2- Excellent	A- Excellent N/A	A- Excellent	A- Excellent A- Excellent	B- Good N/A
Mercurous Nitrate	N/A	N/A N/A	N/A	A- Excellent	N/A N/A
Mercury	A- Excellent	A- Excellent	N/A	A- Excellent	A- Excellent
Methane	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Methanol (Methyl Alcohol)	B1- Good	N/A	A- Excellent	A- Excellent	A- Excellent
Methyl Acetate	A2- Excellent	N/A	N/A	B1- Good	B- Good
Methyl Acetone	A- Excellent	N/A	N/A	D- Severe Effect	D- Severe Effect
Methyl Acrylate	N/A	N/A	A- Excellent	B1- Good	B- Good
Methyl Alcohol 10%	B1- Good	N/A	A- Excellent	A- Excellent	A- Excellent
Methyl Bromide	B1- Good	N/A	N/A	A- Excellent	D- Severe Effect
Methyl Butyl Ketone	D- Severe Effect	N/A	N/A	D- Severe Effect	D- Severe Effect
Methyl Cellosolve	C- Fair	N/A	N/A	A- Excellent	D- Severe Effect
Methyl Chloride	B1- Good	N/A	B- Good	A- Excellent	B- Good
Methyl Dichloride	C- Fair	N/A	N/A	D- Severe Effect	D- Severe Effect
Methyl Ethyl Ketone Methyl Ethyl Ketone Peroxide	A1- Excellent N/A	A- Excellent	A- Excellent N/A	D- Severe Effect N/A	C- Fair N/A
Methyl Isobutyl Ketone	B2- Good	N/A N/A	A- Excellent	D- Severe Effect	N/A N/A
Methyl Isopropyl Ketone	A- Excellent	N/A N/A	N/A	N/A	N/A N/A
Methyl Methacrylate	N/A	N/A	A- Excellent	B1- Good	D- Severe Effect
Methylamine	N/A	N/A	N/A	C- Fair	D- Severe Effect
Methylene Chloride	C1- Fair	N/A	A- Excellent	B1- Good	B- Good
Milk	A- Excellent	A- Excellent	N/A	A2- Excellent	A- Excellent
Mineral Spirits	A- Excellent	N/A	A- Excellent	N/A	A- Excellent
Molasses	A1- Excellent	A- Excellent	N/A	B1- Good	A- Excellent
Monochloroacetic acid	D- Severe Effect	N/A	N/A	B1- Good	D- Severe Effect
Monoethanolamine	A- Excellent	N/A	A- Excellent	C- Fair	D- Severe Effect
Morpholine	A2- Excellent	N/A	C- Fair	B1- Good	N/A
Motor oil	A2- Excellent	A- Excellent	A- Excellent	B- Good	B- Good
Mustard Naphtha	A- Excellent A- Excellent	N/A A- Excellent	N/A A- Excellent	A- Excellent A- Excellent	C- Fair A1- Excellent
Naphthalene	A- Excellent A1- Excellent	A- Excellent A- Excellent	A- Excellent	A- Excellent A2- Excellent	A1- Excellent A1- Excellent
Natural Gas	N/A	A- Excellent	N/A	N/A	B- Good
Nickel Chloride	C1- Fair	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Nickel Nitrate	A1- Excellent	A- Excellent	N/A	A2- Excellent	N/A
Nickel Sulfate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Nitrating Acid (<15% HNO3)	N/A	N/A	C- Fair	N/A	N/A
Nitrating Acid (>15% H2SO4)	N/A	N/A	D- Severe Effect	N/A	D- Severe Effect
Nitrating Acid (Š1% Acid)	N/A	N/A	C- Fair	N/A	N/A
Nitrating Acid (Š15% H2SO4)	N/A	N/A	C- Fair	N/A	N/A
Nitric Acid (20%)	D- Severe Effect	B- Good	C- Fair	A- Excellent	D- Severe Effect
Nitric Acid (50%)	D- Severe Effect	D- Severe Effect	C- Fair	A1- Excellent	D- Severe Effect
Nitric Acid (5-10%)	D- Severe Effect	A- Excellent	B1- Good	A1- Excellent	D- Severe Effect
Nitric Acid (Concentrated)	D- Severe Effect	D- Severe Effect	C- Fair	A1- Excellent	D- Severe Effect
Nitrobenzene	B1- Good	A- Excellent	A2- Excellent	A1- Excellent	C- Fair
Nitrogen Fertilizer Nitromethane	N/A B1- Good	N/A N/A	N/A A2- Excellent	N/A A2- Excellent	N/A A- Excellent
Nitrometnane	N/A	A- Excellent	N/A	B- Good	A- Excellent N/A
Nitrous Oxide	C- Fair	A- Excellent	N/A N/A	D- Severe Effect	N/A N/A
Dils:Aniline	A- Excellent	N/A	N/A	A- Excellent	D- Severe Effect
Dils:Anise	N/A	N/A	N/A	N/A	D- Severe Effect
Dils:Bay	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Dils:Bone	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Dils:Castor	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Dils:Cinnamon	N/A	N/A	N/A	N/A	D- Severe Effect
Oils:Citric	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Oils:Clove	N/A	N/A	N/A	N/A	N/A
Oils:Coconut	N/A	N/A	N/A	A- Excellent	A- Excellent
Dils:Cod Liver	N/A	N/A	N/A	A- Excellent	B- Good

Chemical	CF	CP	LC	SV	DG
Oils:Corn	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Dils:Cottonseed	B- Good	N/A	A- Excellent	A- Excellent	A- Excellent
Dils:Creosote	D- Severe Effect	N/A	N/A	N/A	D- Severe Effect
Dils:Diesel Fuel (20, 30, 40, 50)	A- Excellent	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
Dils:Fuel (1, 2, 3, 5A, 5B, 6) Dils:Ginger	A- Excellent N/A	A- Excellent N/A	A- Excellent N/A	B- Good A- Excellent	D- Severe Effect A- Excellent
Dils:Hydraulic Oil (Petro)	A1- Excellent	N/A N/A	D- Severe Effect	A- Excellent	B- Good
Oils:Hydraulic Oil (Synthetic)	A1- Excellent	N/A N/A	N/A	A- Excellent	N/A
Dils:Lemon	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Dils:Linseed	A1- Excellent	A- Excellent	B- Good	A- Excellent	A- Excellent
Oils:Mineral	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Oils:Olive	A1- Excellent	A- Excellent	N/A	N/A	A- Excellent
Oils:Orange	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Oils:Palm	N/A	A- Excellent	N/A	A- Excellent	A- Excellent
Oils:Peanut	N/A	A- Excellent	N/A	A- Excellent	A- Excellent
Oils:Peppermint	N/A	N/A N/A	N/A	A- Excellent	D- Severe Effect
Oils:Pine Oils:Rapeseed	A- Excellent N/A	N/A N/A	N/A N/A	A- Excellent A- Excellent	A- Excellent A- Excellent
Dils:Rosin	A1- Excellent	N/A N/A	N/A N/A	A- Excellent	N/A
Dils:Sesame Seed	N/A	A- Excellent	N/A	A- Excellent	D- Severe Effect
Dils:Silicone	A1- Excellent	N/A	A1- Excellent	A- Excellent	A- Excellent
Dils:Soybean	A- Excellent	A- Excellent	N/A	A- Excellent	A- Excellent
Oils:Sperm (whale)	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Dils:Tanning	N/A	N/A	N/A	A- Excellent	D- Severe Effect
Dils:Transformer	A1- Excellent	N/A	N/A	A- Excellent	A- Excellent
Dils:Turbine	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Oleic Acid	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
Oleum 100%	D- Severe Effect	D- Severe Effect	A1- Excellent	D- Severe Effect	D- Severe Effect
Dieum 25%	D- Severe Effect	D- Severe Effect	A1- Excellent	C1- Fair	D- Severe Effect
Dxalic Acid (cold)	B2- Good	A- Excellent A- Excellent	A- Excellent	B- Good A- Excellent	B- Good C- Fair
Dzone Palmitic Acid	D- Severe Effect A- Excellent	A- Excellent N/A	max 100 pppm N/A	A- Excellent A2- Excellent	C- Fair A- Excellent
Paraffin	A- Excellent	A- Excellent	N/A N/A	A2- Excellent A- Excellent	A- Excellent A- Excellent
Pentane	A1- Excellent	A- Excellent	N/A N/A	A- Excellent	B- Good
Perchloric Acid	D- Severe Effect	A- Excellent	N/A	A- Excellent	C- Fair
Perchloroethylene	C1- Fair	N/A	A- Excellent	A- Excellent	B- Good
Petrolatum	D- Severe Effect	N/A	N/A	A- Excellent	B- Good
Petroleum	A1- Excellent	N/A	N/A	A- Excellent	B- Good
Phenol (10%)	D- Severe Effect	N/A	A- Excellent	A- Excellent	B- Good
Phenol (Carbolic Acid)	D- Severe Effect	N/A	A- Excellent	A1- Excellent	D- Severe Effect
Phosphoric Acid (>40%)	B1- Good	A- Excellent	A- Excellent	B- Good	D- Severe Effect
Phosphoric Acid (crude)	B1- Good	N/A	A- Excellent	A- Excellent	D- Severe Effect
Phosphoric Acid (molten)	N/A	N/A	N/A	D- Severe Effect	D- Severe Effect
Phosphoric Acid (<40%)	B1- Good N/A	A- Excellent N/A	A- Excellent D- Severe Effect	B- Good	D- Severe Effect D- Severe Effect
Phosphoric Acid Anhydride Phosphorus	N/A N/A	N/A N/A	N/A	D- Severe Effect A1- Excellent	B- Good
Phosphorus Trichloride	N/A	A- Excellent	A- Excellent	A2- Excellent	D- Severe Effect
Photographic Developer	N/A	N/A	N/A	N/A	D- Severe Effect
Photographic Solutions	A1- Excellent	N/A	A2- Excellent	B2- Good	D- Severe Effect
Phthalic Acid	B1- Good	A- Excellent	N/A	A2- Excellent	C- Fair
Phthalic Anhydride	N/A	N/A	N/A	A- Excellent	C- Fair
Picric Acid	C1- Fair	A- Excellent	A- Excellent	A1- Excellent	A- Excellent
Plating Solutions, Antimony Plating	D- Severe Effect	N/A	N/A	A- Excellent	A- Excellent
Plating Solutions, Arsenic Plating	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Plating Solutions, Brass Plating: High-Speed Brass Bath	A- Excellent	N/A	N/A	B- Good	A- Excellent
Plating Solutions, Brass Plating: Regular Brass Bath Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath	A- Excellent	N/A	N/A	B- Good	A- Excellent A- Excellent
Plating Solutions, Bronze Plating: Cu-Cu Bronze Bath	A- Excellent A- Excellent	N/A N/A	N/A N/A	A- Excellent A- Excellent	B- Good
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	A- Excellent	N/A	N/A	A- Excellent	A- Excellent
Plating Solutions, Cadmium Plating: Fluoborate Bath	D- Severe Effect	N/A	N/A	A- Excellent	C- Fair
Plating Solutions, Chromium Plating: Barrel Chrome	D- Severe Effect	N/A	N/A	C- Fair	D- Severe Effect
Plating Solutions, Chromium Plating: Black Chrome	D- Severe Effect	N/A	N/A	C- Fair	D- Severe Effect
Plating Solutions, Chromium Plating: Chromic-Sulfuric	D- Severe Effect	N/A	N/A	C- Fair	D- Severe Effect
Plating Solutions, Chromium Plating: Fluoride Bath	D- Severe Effect	N/A	N/A	C- Fair	D- Severe Effect
Plating Solutions, Chromium Plating: Fluosilicate Bath	D- Severe Effect	N/A	N/A	C- Fair	D- Severe Effect
Plating Solutions, Copper Plating	D- Severe Effect	N/A	N/A	A- Excellent	C- Fair
Plating Solutions, Copper Plating	D- Severe Effect	N/A N/A	N/A	A- Excellent B- Good	A- Excellent
Plating Solutions, Copper Plating Plating Solutions, Copper Plating	A- Excellent	N/A N/A	N/A	B- Good	A- Excellent B- Good
Plating Solutions, Copper Plating Plating Solutions, Copper Plating	A- Excellent A- Excellent	N/A N/A	N/A N/A	A- Excellent A- Excellent	B- Good B- Good
Plating Solutions, Copper Plating	A- Excellent	N/A	N/A	A- Excellent	D- Severe Effect
Plating Solutions, Copper Plating	A- Excellent	N/A N/A	N/A N/A	A- Excellent	A- Excellent
Plating Solutions, Gold Plating: Acid	A- Excellent	N/A	N/A	N/A	N/A
Plating Solutions, Gold Plating: Cyanide 150°F	A- Excellent	N/A	N/A	N/A	N/A
Plating Solutions, Gold Plating: Neutral 75°F	A- Excellent	N/A	N/A	N/A	N/A
Plating Solutions, Indium Sulfamate	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Iron Plating: Ferrous Chloride Bath	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Iron Plating: Ferrous Sulfate Bath	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Iron Plating: Sulfamate 140°F	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Iron Plating: Sulfate-Chloride Bath	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Lead Fluoborate	D- Severe Effect	N/A	N/A	N/A	N/A
Plating Solutions, Nickel Plating: Electroless 200°F	D- Severe Effect	N/A	N/A	N/A N/A	N/A N/A
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	D- Severe Effect	N/A	N/A	N/A	N/A N/A
Plating Solutions, Nickel Plating: High-Chloride 130- Plating Solutions, Nickel Plating: Sulfamate 100-140°F	D- Severe Effect A- Excellent	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Plating Solutions, Nickel Plating: Sulfamate 100-140°F Plating Solutions, Nickel: Watts	A- Excellent A- Excellent	N/A N/A	N/A N/A	N/A N/A	N/A N/A
	D- Severe Effect	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Plating Solutions, Rhodium 120°F				IN/A	. IN/A

Chemical	CF	CP	LC	SV	DG
Plating Solutions, Silver 80-120°F	A- Excellent	N/A	N/A	N/A	N/A
Plating Solutions, Tin-Fluoborate	D- Severe Effect	N/A N/A	N/A	N/A	N/A N/A
Plating Solutions, Tin-Lead 100°F Plating Solutions, Zinc Plating: Acid	D- Severe Effect	N/A N/A	N/A N/A	N/A N/A	N/A N/A
lating Solutions, Zinc Plating: Acid	D- Severe Effect	N/A N/A	N/A N/A	N/A N/A	N/A N/A
ating Solutions, Zinc Plating: Acid	D- Severe Effect	N/A N/A	N/A N/A	N/A N/A	N/A N/A
ating Solutions, Zinc Plating: Alkaline Cyanide Bath	A- Excellent	N/A	N/A	N/A	N/A
otash (Potassium Carbonate)	A- Excellent	N/A	N/A	A- Excellent	B- Good
basin (Fotassium Carbonate)	A1- Excellent	A- Excellent	A- Excellent	B- Good	C- Fair
otassium Bromide	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
otassium Bionnue	C1- Fair	A- Excellent	A- Excellent	A- Excellent	B- Good
bassium Chloride	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
otassium Chromate	B- Good	A- Excellent	max 0.1%	B- Good	C- Fair
otassium Cyanide Solutions	A1- Excellent	N/A	A- Excellent	A- Excellent	C- Fair
otassium Dichromate	B1- Good	N/A	A- Excellent	A- Excellent	A- Excellent
otassium Ferricyanide	B1- Good B1- Good	A- Excellent	N/A	A2- Excellent	B1- Good
otassium Ferrocyanide	B1- Good	A- Excellent	N/A	A- Excellent	N/A
otassium Hydroxide (Caustic Potash)	C1- Fair	A- Excellent	A- Excellent	A- Excellent	A- Excellent
otassium Hypochlorite	B1- Good	N/A	A- Excellent	A1- Excellent	N/A
otassium lodide	A1- Excellent	N/A	A2- Excellent	A2- Excellent	N/A
bassium Nitrate	B1- Good	A- Excellent	A- Excellent	A- Excellent	A- Excellent
otassium Oxalate	N/A	N/A	N/A	N/A	N/A
otassium Permanganate	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	A- Excellent
otassium Sulfate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good
otassium Sulfide	A- Excellent	A- Excellent	A- Excellent	A- Excellent A- Excellent	B- Good N/A
opane (liquefied)	A- Excellent A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
opylene	N/A	N/A	A- Excellent	A- Excellent N/A	A- Excellent N/A
opylene Glycol	A- Excellent	N/A N/A	A- Excellent	N/A N/A	B- Good
vridine	C1- Fair	A- Excellent	A- Excellent	D- Severe Effect	B- Good B- Good
/rogallic Acid	N/A	N/A	N/A	A- Excellent	D- Severe Effect
esorcinal	D- Severe Effect	N/A N/A	N/A N/A	A- Excellent N/A	D- Severe Effect
osins	A1- Excellent	N/A N/A	N/A N/A	N/A N/A	B- Good
um	A- Excellent	N/A N/A	N/A N/A	N/A N/A	A- Excellent
ust Inhibitors	N/A	N/A N/A	N/A N/A	N/A N/A	A- Excellent
alad Dressings	A- Excellent	N/A N/A	N/A N/A	N/A N/A	A- Excellent
alicylic Acid	A1- Excellent	A- Excellent	N/A	A- Excellent	D- Severe Effect
alt Brine (NaCl saturated)	A- Excellent	N/A	A- Excellent	A- Excellent	N/A
ea Water	A2- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
hellac (Bleached)	A1- Excellent	N/A	N/A	N/A	A- Excellent
nellac (Orange)	A1- Excellent	N/A	N/A	N/A	A- Excellent
licone	A1- Excellent	N/A	A1- Excellent	A- Excellent	A- Excellent
liver Bromide	N/A	N/A	N/A	N/A	C- Fair
lver Nitrate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
pap Solutions	A1- Excellent	N/A	A- Excellent	A1- Excellent	A- Excellent
oda Ash (see Sodium Carbonate)	B- Good	N/A	A- Excellent	A- Excellent	A- Excellent
odium Acetate	B1- Good	A- Excellent	A- Excellent	A- Excellent	B- Good
odium Aluminate	A1- Excellent	N/A	A- Excellent	N/A	B- Good
odium Benzoate	B1- Good	N/A	N/A	A2- Excellent	N/A
odium Bicarbonate	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
odium Bisulfate	A1- Excellent	N/A	A- Excellent	A- Excellent	B- Good
odium Bisulfite	C1- Fair	N/A	A- Excellent	A- Excellent	C- Fair
odium Borate (Borax)	A1- Excellent	N/A	A- Excellent	A- Excellent	N/A
odium Bromide	B1- Good	N/A	N/A	A2- Excellent	A- Excellent
odium Carbonate	B1- Good B1- Good	A- Excellent	A- Excellent	A- Excellent	A1- Excellent
odium Chlorate	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	A- Excellent
odium Chloride	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A1- Excellent
	C- Fair	N/A			
odium Chromate	A1- Excellent	N/A N/A	A- Excellent A- Excellent	A- Excellent A- Excellent	D- Severe Effect A- Excellent
odium Cyanide	N/A	N/A N/A	A- Excellent N/A	A- Excellent	A- Excellent A- Excellent
odium Ferrocyanide	B- Good	N/A N/A	N/A N/A	A- Excellent A- Excellent	A- Excellent N/A
odium Fluoride	A- Excellent	N/A N/A	A- Excellent	A- Excellent N/A	N/A N/A
odium Hydrosuinte	A- Excellent	A- Excellent	A- Excellent		A- Excellent
odium Hydroxide (20%)	A- Excellent A- Excellent	A- Excellent A- Excellent	A- Excellent A- Excellent	A- Excellent A- Excellent	A- Excellent A- Excellent
odium Hydroxide (50%)	C- Fair	N/A	A- Excellent A- Excellent	A- Excellent A- Excellent	D- Severe Effect
bdium Hypochlorite (<20%)	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	D- Severe Effect
odium Hypochlorite (100%)	D- Severe Effect	N/A	A- Excellent	A- Excellent	D- Severe Effect
odium Hypochionite (100%)	N/A	N/A N/A	A- Excellent N/A	A- Excellent N/A	N/A
odium Hyposuliate	A1- Excellent	N/A N/A	N/A N/A	A- Excellent	B- Good
odium Metaphosphate	N/A	N/A N/A	N/A N/A	A- Excellent N/A	D- Severe Effect
odium Nitrate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
odium Nitrate	B1- Good	A- Excellent N/A	A- Excellent N/A	A- Excellent N/A	A- Excellent B- Good
odium Peroxide	A1- Excellent	A- Excellent	N/A N/A	A- Excellent	D- Severe Effect
odium Peroxide odium Polyphosphate	A1- Excellent	A- Excellent N/A	N/A N/A	A- Excellent A- Excellent	D- Severe Effect B- Good
odium Polyphosphate	A1- Excellent	A- Excellent	A- Excellent	A- Excellent A- Excellent	C- Fair
odium Silicate	A1- Excellent A- Excellent	A- Excellent A- Excellent	A- Excellent A- Excellent	A- Excellent A- Excellent	B- Good
		A- Excellent			
odium Sulfide	A1- Excellent		A- Excellent	A- Excellent	B- Good
odium Sulfite odium Tetraborate	D- Severe Effect	A- Excellent	N/A	A- Excellent	N/A R. Good
	A- Excellent B- Good	N/A	N/A	N/A A- Excellent	B- Good
odium Thiosulfate (hypo)	B- Good	N/A	A- Excellent	A- Excellent	C1- Fair
orghum	A- Excellent	N/A	N/A	N/A N/A	A- Excellent
by Sauce	A- Excellent	N/A	N/A	N/A	A- Excellent
annic Chloride	B1- Good	A- Excellent	A- Excellent	A- Excellent	C- Fair
annic Fluoborate	N/A	N/A	N/A	N/A	C- Fair
annous Chloride	C1- Fair	A- Excellent	A1- Excellent	A- Excellent	N/A
arch	A1- Excellent	A- Excellent	N/A	N/A	A- Excellent
earic Acid	A2- Excellent	N/A	N/A	A- Excellent	A- Excellent
oddard Solvent	A- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
yrene	A1- Excellent	A- Excellent	N/A	N/A	A- Excellent
ugar (Liquids)	A1- Excellent	N/A	N/A	N/A	A- Excellent
Sulfate (Liquors)	B1- Good	N/A	N/A	A- Excellent	D- Severe Effect

Chemical	CF	CP	LC	sv	DG
Sulfur Chloride	A1- Excellent	A- Excellent	N/A	A1- Excellent	D- Severe Effect
Sulfur Dioxide	C1- Fair	A- Excellent	A- Excellent	A- Excellent	B- Good
ulfur Dioxide (dry)	B1- Good	N/A	A- Excellent	A- Excellent	B- Good
ulfur Hexafluoride	B- Good	A- Excellent	N/A	N/A	N/A
ulfur Trioxide	D- Severe Effect	A- Excellent	N/A	N/A	N/A
ulfur Trioxide (dry)	A1- Excellent	N/A	N/A	C1- Fair	D- Severe Effect
ulfuric Acid (<10%)	C1- Fair	B-Good	A- Excellent	A- Excellent	D- Severe Effect
ulfuric Acid (10-75%)	D- Severe Effect	C- Fair	A- Excellent	A- Excellent	D- Severe Effect
ulfuric Acid (75-100%)	D- Severe Effect	D- Severe Effect	A1- Excellent	A- Excellent	N/A
ulfuric Acid (cold concentrated)	D- Severe Effect	D- Severe Effect	A1- Excellent	A- Excellent	N/A
ulfuric Acid (hot concentrated)	D- Severe Effect	D- Severe Effect	D- Severe Effect	C- Fair	N/A
ulfurous Acid	D- Severe Effect	A- Excellent	A- Excellent	A- Excellent	C- Fair
ulfuryl Chloride	N/A	N/A	N/A	N/A	A- Excellent
allow	A1- Excellent	A- Excellent	N/A	N/A	A- Excellent
annic Acid	C1- Fair	A- Excellent	A- Excellent	B- Good	B- Good
anning Liquors	A1- Excellent	N/A	N/A	N/A	B- Good
artaric Acid	B2- Good	A- Excellent	A- Excellent	B- Good	B- Good
etrachloroethane	C1- Fair	N/A	N/A	A- Excellent	A- Excellent
etrachloroethylene	A1- Excellent	N/A	N/A	N/A	A- Excellent
etrahydrofuran	A- Excellent	A- Excellent	A- Excellent	B1- Good	A- Excellent
n Salts	N/A	N/A	N/A	A- Excellent	N/A
bluene (Toluol)	A1- Excellent	A- Excellent	A- Excellent	A1- Excellent	C1- Fair
omato Juice	A1- Excellent	N/A	A- Excellent	A- Excellent	B- Good
ichloroacetic Acid	C- Fair	N/A	A- Excellent	B- Good	N/A
ichloroethane	C1- Fair	N/A	N/A	A- Excellent	A- Excellent
ichloroethylene	C1- Fair	A- Excellent	A1- Excellent	B- Good	D- Severe Effect
ichloropropane	N/A	N/A	N/A	N/A	A- Excellent
ricresylphosphate	A2- Excellent	N/A	N/A	D- Severe Effect	C- Fair
riethylamine	A1- Excellent	N/A	A2- Excellent	A2- Excellent	D- Severe Effect
risodium Phosphate	A- Excellent	N/A	A- Excellent	A- Excellent	A- Excellent
urpentine	B- Good	A- Excellent	A- Excellent	A- Excellent	A2- Excellent
rea	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
ric Acid	A- Excellent	N/A	N/A	N/A	N/A
rine	B- Good	N/A	N/A	A- Excellent	A- Excellent
arnish	A- Excellent	A- Excellent	N/A	N/A	A- Excellent
egetable Juice	A- Excellent	N/A	N/A	N/A	A- Excellent
inegar	A- Excellent	A- Excellent	A- Excellent	B- Good	B- Good
inyl Acetate	N/A	N/A	N/A	A2- Excellent	N/A
inyl Chloride	A1- Excellent	N/A	N/A	B1- Good	N/A
/ater, Acid, Mine	A- Excellent	A- Excellent	A- Excellent	A- Excellent	A1- Excellent
/ater, Deionized	A1- Excellent	A- Excellent	A- Excellent	A2- Excellent	N/A
/ater, Distilled	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	B- Good
/ater, Fresh	A1- Excellent	A- Excellent	A- Excellent	A- Excellent	A2- Excellent
/ater, Salt	A2- Excellent	A- Excellent	A- Excellent	A- Excellent	A- Excellent
leed Killers	A- Excellent	N/A	N/A	N/A	A- Excellent
hey	N/A	N/A N/A	N/A N/A	N/A N/A	A- Excellent
hiskey & Wines	A1- Excellent	A- Excellent	N/A N/A	A- Excellent	A- Excellent
/hite Liquor (Pulp Mill)	AI-Excellent A1-Excellent	A- Excellent	N/A N/A	A- Excellent	D- Severe Effect
/hite Water (Paper Mill)	A- Excellent A2- Excellent	N/A A- Excellent	N/A	N/A	B- Good
ylene			A- Excellent	A- Excellent	A- Excellent
nc Chloride	A- Excellent	A- Excellent	A- Excellent	A- Excellent	C- Fair
inc Hydrosulfite	A- Excellent	N/A	A- Excellent	N/A	C- Fair
linc Sulfate	A- Excellent	A- Excellent	A- Excellent	A- Excellent	C- Fair

WARNING

WARNING The information in this chart has been supplied to Ideal-tek by other reputable sources and is to be used ONLY as a guide in selecting equipment for appropriate chemical compatibility. Before permanent installation, test the equipment with the chemicals and under the specific conditions of your application. Ratings of chemical behavior listed in this chart apply at a 48-hr exposure period. Ideal-tek has no knowledge of possible effects beyond this period. Ideal-tek does not warrant (neither express nor implied) that the information in this chart is accurate or complete or that any material is suitable for

any purpose. DANGER

Variations in chemical behavior during handling due to factors such as temperature, pressure, and concentrations can cause equipment to fail, even though it passed an initial test. SERIOUS INJURY MAY RESULT Use suitable guards and/or personal protections when handling chemicals.