

CSCR-Series (Chemical Resistant)

PHYSICAL PROPERTIES & CHEMICAL RESISTANCE GUIDE

Table 1—Physical Properties of CSCR	
<i>Properties</i>	<i>Result</i>
Ultimate Elongation	ASTM D3574, 125% +/- 20%
Staining	None
Tensile Strength	ASTM D3574, 21 psi min.
Thermal Conductivity	0.05W/m.°C
Shear Strength	Min 8N/cm2
Mildew Resistance	Excellent
Flammability	UL 94VO, Meets CAL 117 Self Extinguishing
Resistance to Compression Set	Max 2.5%
Flash Point	590°F (310°C)
Durometer Hardness	ASTM D2240, Shore A 15 pts.
Temperature Stability Range	-40°F (-40°C) to 185°F (85°C)



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Table Key:

- 1**—Product is suitable for use in immersion and/or splash and spillage conditions
- 2**—Product is suitable for occasional and intermittent contact for periods up to 72 hours in duration
- 3**—Product is suitable for occasional and intermittent contact for short time periods with frequent washing
- NR**—Not recommended for this application
- S**—Product may be stained by this chemical

Table 2- Chemical Resistance Guide for CSCR

1,1,1, Trichloroethane	3
2-Ethyl Hexyl Acrylate	1
Acetic Acid, 10%	2
Acetic Acid, 25%	2
Acetic Acid, 50%	2
Acetic Acid, Glacial	3
Acetone	2
Acrylonitrile	3
Aluminum Sulfate	1
Ammonium Chloride	1
Ammonium Hydroxide	2
Ammonium Nitrate	2
Ammonium Perchlorate, 50%	1
Ammonium Persulfate	1
Ammonium Polyphosphate	1
Amyl Alcohol	1
Aniline	NR
Barium Hydroxide, 10%	1
Benzene	NR
Benzoflex 9-88	3

Benzoic Acid	2
Boric Acid	1
Bromine, Liquid	NR
Butyl Acetate	3
Butyl Cellosolve	1
Butyl Cellosolve Acetate	3
Butyl Oxitol	1
Calcium Chloride	1
Calcium Hydroxide	1
Calcium Hypochlorite	1
Carbitol Acetate	NR
Carbon Disulfide	NR
Carbon Tetrachloride	3
Chlorinated Water, 100 ppm	1
Chlorobenzene	NR
Chromic Acid, 10%	NR
Chromic Acid, 15%	NR
Chromic Acid, 30%	NR
Chromic Acid, 35%	NR
Citric Acid	2



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Copper Sulfate	1
Creosote	NR
Cresylic Acid	NR
Cumene Hydroperoxide	NR
Cyclohexane	1
Diesel Fuel	1
Diethylene Glycol	1
Epichlorohydrin	NR
Ethyl Acetate	2
Ethyl Acrylate	3
Ethyl Alcohol	1
Ethylene Dichloride	NR
Ethylene Glycol	2
Ferric Chloride	2
Ferrous Sulfate, 10%	1
Formic Acid, 10%	NR
Formic Acid, 90%	NR
Formic Acid, 98%	NR
Fuel Oil/Diesel Fuel	1
Gasoline, Leaded	1
Glycerine	1
Heptane	1
Hexane	1
Hexylene Glycol	1
Hydrochloric Acid, 10%	2
Hydrochloric Acid, 20%	2
Hydrochloric Acid, 37%	NR
Hydrofluoric Acid, 10%	1
Hydrofluoric Acid, 20%	2
Hydrogen Peroxide, 30%	2
Isobutyl Alcohol	1
Isopropyl Alcohol	1
Jet Fuels	1

Kerosene	1
Lacquer Solvents	1
Lactic Acid	3
Linseed Oil	1
Magnesium Chloride	1
Magnesium Hydroxide	1
Maleic Anhydride, 25% Slurry	1
Methanol	1
Methyl Acrylate	3
Methyl Ethyl Ketone	3
Methyl Methacrylate	3
Methyl tert-Butyl Ether, 98%	1
Methylene Chloride	NR
Mineral Spirits	1
Monochloroacetic Acid	NR
Motor Oil 10W/40	1
Muriatic Acid	NR
Naphtha	1
Naphtha VM&P	1
Naphthalene	3
Naphthalene Oil	1
N-Butyl Acrylate	3
N-Butyl Alcohol	1
Nitric Acid, 10%	NR
Nitric Acid, 20%	NR
Nitric Acid, 30%	NR
Nitric Acid, 60%	NR
Oleic Acid	1
Oxalic Acid	1
Perchloric Acid, 10%	3
Perchloroethylene	3
Phenol 85%	NR
Phenol, 5%	NR

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Phenolic Resins	1	Sodium Hypochlorite, 8%	NR
Phosphoric Acid, 100%	NR	Sodium Sulfide	1
Phosphoric Acid, 50%	1S	Stearic Acid	1
Phosphoric Acid, 60%	2S	Styrene	NR
Phosphoric Acid, 75%	3S	Sulfuric Acid, 20%	1
Phosphoric Acid, 85%	NR	Sulfuric Acid, 25%	2
Phthalic Acid	NR	Sulfuric Acid, 50%	3
Pickling (20% nitric acid 4% HF)	3	Sulfuric Acid, 66%	NR
Potassium Carbonate, 1%	1	Sulfuric Acid, 75%	NR
Potassium Carbonate, 25%	2	Sulfuric Acid, 98%	NR
Potassium Hydroxide, 10%	1	Tetrahydrofuran	NR
Potassium Hydroxide, 45%	1	Tetrahydrofurfuryl Alcohol	NR
Potassium Permanganate	NR	Toluene	3
Propylene Glycol	1	Trichloroethylene	NR
Skydrol 500B	2	Triton X100	2
Soap Solutions	3	Urea Ammonium Nitrate, 32%	1
Sodium Bicarbonate	1	Urea, 10%	1
Sodium Chloride	1	Vinyl Acetate	2
Sodium Cyanide	2	Vinylidene Chloride	3
Sodium Hydroxide, 10%	2	Water Tap	1
Sodium Hydroxide, 25%	2	Xylene	3
Sodium Hydroxide, 50%	2	Zinc Chloride	1
Sodium Hypochlorite, 5%	NR	Zinc Nitrate, 17%	1