



Chemical Resistance Guide

2019

The data in the tables which follow should only be regarded as a general guide. Factors such as application, temperature, exposure, cleaning procedures/frequency, etc. are beyond the control of Key Resin Company. No warranty can be expressed or implied concerning this test data due to the variable nature of any facility's operations. Samples should be tested under actual or simulated conditions for final decision on the suitability of the system. All tests performed at 70-75°F unless otherwise noted.

RATING CODE:

S+ = Splash & Spill, Continuous Service

S1 = Splash & Spill, Weekly Clean-up

S2 = Splash & Spill, 24 Hour Clean-up

S3 = Splash & Spill, Hourly Clean-up

Note: Various Chemicals may cause surface stains if not cleaned up promptly

<u>Chemical Schedule</u>	<u>450</u>	<u>467</u>	<u>470/471</u>	<u>615/625</u>	<u>Urecon SC</u>	<u>630</u>
Chloroform	S-3	S-3	S-3	S-3	S-3	S-2
<i>Class IA-Flammable</i>						
Ethyl Ether	S-2	S-2	S-2	S-2	S-2	S-2
<i>Class IB-Flammable</i>						
Acetone	S-2	S-2	S-2	S-2	S-2	S-2
Acetonitrile						
Ethyl Acetate	S-2	S-2	S-2	S-2	S-2	S-1
Ethyl Alcohol	S-1	S-2	S-2	S-2	S-2	S-1
Heptane	S-2	S-2	S-2	S-2	S-2	S-1
Hexane	S-2	S-2	S-2	S-2	S-2	S-1
Image #8188	S-3	S-3	S-3	S-3	S-3	S-3
Isopropanol	S-2	S-2	S-2	S-2	S-2	S-1
Methanol	S-1	S-1	S-1	S-1	S-1	S-1
Propanol	S-2	S-2	S-2	S-2	S-2	S-2
Tetrahydrofuran	S-3	S-3	S-3	S-3	S-3	S-3
<i>Class II - Combustible</i>						
Acetic Acid (10%-20%)	S-1	S-1	S-1	S-1	S-1	S-1
Ethoxyethyl Acetate	S-2	S-2	S-2	S-2	S-2	S-1
Formic Acid	S-2	S-2	S-2	S-2	S-2	S-2

Class IIIA - Combustible

Dimethyl Sulfoxide	S-3	S-3	S-3	S-3	S-3	S-3
Phenol	S-3	S-3	S-3	S-3	S-3	S-3
Sanihol	S-3	S-3	S-3	S-3	S-3	S-3

Oxidizer - Class 3

Osmium Tetroxide	S-3	S-3	S-3	S-3	S-3	S-3
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Water Reactive - Class 2

Sodium Hydroxide 50%	S+	S+	S+	S+	S+	S+
Sulfuric Acid 98%	S-2	S-2	S-2	S-2	S-2	S-1

Corrosive - Solid

Guanidine	S-2	S-2	S-2	S-2	S-2	S-2
Hydrochloride	S-2	S-2	S-2	S-2	S-2	S-2
Guanidine Thiocyanate	S-2	S-2	S-2	S-2	S-2	S-2
Osmium Tetroxide	S-2	S-2	S-2	S-2	S-2	S-2
Phenol	S-2	S-2	S-2	S-2	S-2	S-2
Potassium Hydroxide 50%	S+	S+	S+	S+	S+	S+
Sodium Hydroxide 50%	S+	S+	S+	S+	S+	S+

Corrosive - Liquid

Acetic Acid 10%-20%	S-1	S-1	S-1	S-1	S-1	S-1
Formic Acid	S-2	S-2	S-2	S-2	S-2	S-2
Hydrochloric Acid 37%	S-2	S-2	S-2	S-2	S-2	S+
Phosphoric Acid 75%	S-3	S-3	S-3	S-3	S+	S+
Potassium Hydroxide 50%	S+	S+	S+	S+	S+	S+
Sulfuric Acid 98%	S-2	S-2	S-2	S-2	S-2	S-1
Trifluoroacetic Acid	S-3	S-3	S-3	S-3	S-3	S-2

Proprietary Chemicals, Sanitizers, Miscellaneous Chemicals

Spor-Klenz, concentrate
 Spor-Klenz, ready-to-use
 Steris CIP 100
 Steris CIP 200
 Vortex (= Spor-Klenz)

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