ARC CFW Chemical Resistance Guide

Ambient temperature and maximum concentration apply, unless otherwise noted.

Acids, Caustics, and Oxidizers

Chemical	ARC CFW-HT	ARC CFW-CR
Acetic Acid – 10%	2	1
Acetic Acid – 50%	4	2
Acetic Acid – 100%	4	2
Calcium Oxide – 50%	1	1
Hydrochloric Acid – 38%	4	1
Nitric Acid – 10%	4	1
Nitric Acid – 30%	4	4
Phosphoric Acid – 42%	4	1
Phosphoric Acid – 85%	4	1
Potassium Hydroxide – 50%	1	1
Sodium Hydroxide – 50%	1	1
Sodium Hypochlorite – 10%	1	1
Sodium Hypochlorite – 30%	4	2
Sulfuric Acid – 50%	4	1
Sulfuric Acid – 98%	4	1
Sodium Hydroxide – 50%	1	1
Potassium Hydroxide – 50%	1	1
Sodium Hypochlorite – 10%	1	1
Sodium Hypochlorite – 30%	4	2

Hydrocarbons and Solvents

Chemical	ARC CFW-HT	ARC CFW-CR
Acetone	2	1
Benzene	2	1
Crude Oil – Sour	1	1
Diesel Fuel	1	1
Dimethyl sulfide	2	1
Ethanol	2	1
Ethylene Dichloride	4	2
Gasoline	1	1
Hot Crude Oil - >250˚F	1	4
Jet Fuel	1	1
Methylene chloride	4	2
Mineral spirits	1	1
Monoethanol amine	1	1
Natural Gas – Sour	2	1
Natural Gas – Sweet	1	1
Nonylphenol	1	1
Tetrahydro-furan	2	1
Vinyl acetate	2	1

Water and Aqueous Solutions

Chemical	ARC CFW-HT	ARC CFW-CR
Fresh Water	1	1
Deinonized Water	1	1
Hot Deinonized Water (>170˚F)	1	4
Salt Water	1	1

Key
1 = Continuous long term exposure
2 = Short term/intermittent exposure (<72 hrs.)
3 = Spills with immediate cleanup (<8 hrs.)
4 = Not recommended for direct contact
NT = Not Tested

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.
Note 1: Ratings are based on ambient temperature immersion below 35C°/ 95F° unless specifically noted otherwise.
* Post Cure

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