

EMKAY Technical Data

SHEET #487

SAFETY WASH™ CRC

SAFETY WASH™ CRC is a revolutionary concept in chemical cleaners for all phases of cleaning. **SAFETY WASH™ CRC** can be used in *dip tank*, *wipe down* and in both high and low pressure *spray* applications. In addition to its proven cleaning properties, **SAFETY WASH™ CRC** is biodegradable, economical and environmentally safe. **SAFETY WASH™ CRC** will not corrode or pit aluminum, copper, brass or other sensitive metals.

SAFETY WASH™ CRC has literally hundreds of proven uses and is considered to be a major breakthrough for aerospace, industrial, marine and off-shore applications. **SAFETY WASH™ CRC** is recommended to be utilized in diluted form but can be used at full strength without safety hazards or concerns.

SAFETY WASH™ CRC has been field tested and proven as safe alternative for ozone depleting substances in metals cleaning. **SAFETY WASH™ CRC** is listed in the Hazardous Solvent Substitution Data System (HSSDS) as a replacement for hazardous chemicals in cleaning applications.

Typical Properties

Odor	None	Toxicity	Non-toxic
Color	None	Dilutions	Up to 50:1 (10 - 20:1 optimal)
Boiling Point	210°F	R.V.O.C.	None
Flash Point	None	Solubility	Complete in hard or soft, fresh or saline water
Freezing Point	25°F	Composition	Buffered alkaline blend of biodegradable non-ionic surfactants
Spec. Gravity	1.02		
pH (as is)	11 to 12		

*DETAILS ON PAGE 2

AMS 1526B
Boeing D6-17487 Revision M
Douglas CSD #1, Type I

Conforms
Conforms
Conforms

EMKAY CHEMICAL COMPANY
800-EMKAY CHEM - EXT 425

319 Second Street
 P.O. Box 6537
 Elizabeth, NJ 07206

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Tom PARKER - WWW.PAGE MART
 CON-PINE
 FAX # 201-768-2772 #1815237

OR PAGE ME TEXT #
 1-800-864-8464

SAFETY WASH™ CRC

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Product Features

- Cleans fluorocarbons
- Removes Krytox™ and Braycote™
- Non-corrosive
- Low NVR
- Removes silicones
- Emulsifies grease and oil
- Removes low & med M.W. hydrocarbons
- Non-toxic
- No volatile components
- Biodegradable as manufactured
- Aqueous based cleaner
- HSSDS listed
- No flash point
- No petroleum additives
- OSHA accepted
- No chlorinated solvents
- No glycol ethers
- No halogens
- No phosphates
- No noxious odors

AMS 1526B**Cleaner for Aircraft Exterior Surfaces, Water-Miscible, Pressure Spraying Type**

Sandwich Corrosion – Aluminum	Rating: 1
Total Immersion Corrosion	<0.01 mg/cm ² /24hrs weight loss
Low Embrittling Cadmium Plate	0.06 mg/cm ² diluted / 0.30 mg/cm ² as is
Hydrogen Embrittlement	No failures within 150 hours
Flash Point	No flash to 141°F
Effect on Transparent Acrylic Plastics	Pass
Effect on Painted Surfaces	Conforms
Effect on Unpainted Surfaces	Conforms

Boeing D6-17487 Rev. M**Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds**

Sandwich Corrosion	Rating: 1
Acrylic Crazing Test	No crazing, cracking or etching
Paint Softening Test	<1 Pencil hardness change after 24 hours
Hydrogen Embrittlement	No failures within 150 hours

Douglas CSD #1, Rev. 8/2/98**Type I: Materials and Procedures for General Exterior of Painted and Unpainted Surfaces**

Effect on Painted Surfaces	No softening or discoloration after 24 hours
Residue Test	AMS 4911: Pass AMS 4049: Pass
Sandwich Corrosion	Rating: 1
Stress Crazing on Acrylic Plastics	No crazing, cracking or etching
Immersion Corrosion Test	0.1 mg diluted / 0.2 mg as is after 168 hours
Cadmium Removal Test	1.8 mg diluted / 8.5 mg as is after 24 hours
Hydrogen Embrittlement	No failures within 150 hours

EMKAY CHEMICAL COMPANY
800-EMKAY CHEM

(908) 352-7053

FAX (908) 352-6398

www.emkay.thomasregister.com

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P.O. Box 6537
Elizabeth, NJ 07206

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