

MATERIAL SAFETY DATA SHEET

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

N/A= Not Applicable
Effective Date: 3/03 Revision: N/A

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Rust Remover
Generic Name: Carpet Rust Remover
Chemical Family: Acid Detergent Blend
Formula: Proprietary
Product Number: 48024, 48152

Manufactured for: Triple S
Address: 2 Executive Park Drive Billerica, MA 01862
Phone #: 800-323-2251

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dipropylene Glycol Methyl Ether	34590-94-8	0 to 5	100 ppm	100 ppm	N/A
Nonionic Surfactant	9016-45-9	0 to 5			
Hydrofluoric Acid	7664-39-3	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.
Vapor Pressure: <20mm Hg @ 68 F.
% Volatile: 65+
Solubility in Water: Complete
Physical Description: Clear liquid with pungent acid odor

Specific Gravity: 1.030
Vapor Density (Air=1): >1
pH: 5.0
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

Lower Explosion Limit: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Hydrofluoric Vapors from fire

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong alkalis, Oxidizing agents

SECTION 6-STORAGE AND HANDLING INFORMATION

DANGER. CORROSIVE. Avoid contact with eyes, skin and clothing. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For industrial use only. Wear rubber gloves and protective eyewear when using. Avoid breathing of vapors. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.
Eyes: CORROSIVE - Severe eye irritant. Liquid and mists may burn or injure eyes, causing corneal damage.
Inhalation: May be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.
First Aid Procedures:
Skin: Flush exposed area with large quantities of water. Seek medical attention immediately.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention IMMEDIATELY
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local mechanical exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Acid proof rubber or neoprene must be worn.
Eye Protection: Chemical splash goggles or full face shield must be worn.
Other Protective Equipment: Protective chemical-proof clothing and rubber boots should be worn when danger of mist contact may occur. Eyewash should be available nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal in public sewer. Do not disposal of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
No - Fire Hazard
No - Sudden Release of Pressure Hazard
Yes - Reactivity Hazard
Yes - Immediate (acute) Health Hazard
No - Delayed (chronic) Health Hazard

Shipping Information:
FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid (Hydrofluoric Acid), 8, NA-1760, PGIII
FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid (Hydrofluoric Acid), 8, NA-1760, PGIII (Limited Quantity)
FOR CONTAINERS < 1 GALLON: ORM-D

HMIS Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	1
Personal Protection	D

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product