

HMIS RATING	
Health	1
Flammability	1
Reactivity	0

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	1
Flammability	1
Reactivity	0
NFPA 308 LEVEL	
N/A	

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1. PRODUCT IDENTIFICATION

PART NUMBER80-235
 PRODUCT NAMEEXTEND RUST TREATMENT
 CHEMICAL FAMILYN/A
 DOT SHIPPING.....Unrestricted

2. HAZARDOUS INGREDIENTS

Specific chemical identity, common names	OSHA PEL	ACGIH TLV	STEL	%
Water (7732-18-5)	-	-	-	45-50
Vinyl acrylic copolymer (81209-39-4)	-	-	-	35-40
*Barium Sulfate (dust) (7727-43-7)	10mg/m3	10mg/m3	-	5-10
2-Butoxyethanol (skin)(111-76-2)	50ppm	25ppm	-	1-3
Organic Acid (Proprietary)	-	-	-	1-3
Propylene Glycol (57-55-6)	-	-	-	1-3
Silica, Amorphous treated (112945-52-5)	6mg/m3	10mg/m3	-	1-3

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE)..... Approximately 212°F
 VAPOR PRESSURE Approximately 24mm Hg
 VAPOR DENSITY 1.2
 SOLUBILITY IN WATER..... Water-based
 SPECIFIC GRAVITY (H₂O = 1)..... 1.3
 V.O.C. (EPA Method 24) 4.38% (56.94 grams / liter
 8.19% (367 grams/liter) less water
 EVAPORATION RATE (Ether = 1)..... Not available
 APPEARANCE AND ODOR Milky liquid, mild odor

4. FIRE AND EXPLOSION DATA

FLASH POINT None, aqueous medium TCC
 UPPER EXPLOSIVE LIMIT (%)..... Not available
 LOWER EXPLOSIVE LIMIT (%) Not available
 EXTINGUISHING MEDIA..... CO₂ Foam, Dry Chemical.
 SPECIAL FIREFIGHTING PROCEDURES Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus.
 FIRE AND EXPLOSION HAZARDS..... Thermal decomposition may form irritating organic vapors; oxides of carbon.

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....Skin, Eye, Inhalation, Ingestion.
 HEALTH HAZARDS (Acute & Chronic)May irritate skin and eyes.
 Toxicity: Estimated oral LD50 more than 5000mg/kg.
 Estimated dermal LD50 more than 2000 mg/kg.
 Literature referenced target organ and other health effects: Blood, developmental, nervous system, mutagenic, reproductive, fetotoxic, liver, kidney, lung, genotoxic, and respiratory.
 SIGNS AND SYMPTOMS OF EXPOSURE.....May cause eye and skin irritation. Skin may be stained by contact.
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE.....None known.

5. HEALTH EFFECTS DATA (Continued)

FIRST AID PROCEDURES

EYES.....Flush with water for at least 15 minutes; get medical attention.
 SKIN CONTACTFlush with water at once to avoid staining skin; then wash with soap and water. If irritated, seek medical attention.
 INHALATION.....Remove to fresh air.
 INGESTION.....Do not induce vomiting. Keep individual calm. Obtain medical attention.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines) Presently not on any lists.

6. REACTIVITY

STABILITYStable
 INCOMPATIBILITIES.....Strong bases will coagulate resin.
 NFPA REACTIVITY HAZARD.....0
 HAZARDOUS DECOMPOSITION PRODUCTS (non-thermal)None
 HAZARDOUS POLYMERIZATION.....Will not occur.
 HAZARDOUS POLYMERIZATION CONDITIONSNone known.

7. PRECAUTIONS FOR SAFE HANDLING AND USE

PROTECTIVE EQUIPMENT REQUIREMENTS Safety glasses or goggles. Impermeable rubber or plastic gloves recommended. Impervious clothing or boots as needed. Normal ventilation is adequate for occasional use. For continuous or spray application, provide local exhaust.
 WASH REQUIREMENTS Wash with soap and water.
 SPILL OR LEAK PROCEDURES Clean up with detergent and water.
 WASTE DISPOSAL METHODS Incinerate following local, state, federal and EPA regulations. Hazardous Waste number is D002; barium level should be checked: D005.
 HANDLING & STORAGE..... Keep away from eyes. Avoid skin contact. Store between 40-105°F in a closed container.
 OTHER PRECAUTIONS..... N/A

8. ADDITIONAL INFORMATION

Use self contained breathing apparatus if TLV limits are exceeded. Do not smoke while using. Wash hands after use.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATION CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

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