

Material Safety Data Sheet

RUST BREAK

HYDRAMASTER

11015 47TH AVE. SE
MUKILTEO, WA 98275
(425) 775-7272

DATE PREPARED: OCT 1, 2012

DATE REVISED: JAN 2, 2013

24 HOUR EMERGENCY PHONE NUMBER

PERS: 1-800-633-8253

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: RUST BREAK
CHEMICAL FAMILY: MILDLY ACIDIC MATERIAL
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

EYES: May cause severe eye irritation with possible permanent eye damage and impairment of vision.

SKIN (DERMAL): Prolonged and/or repeated exposure to concentrated product may result in irritation to the skin.

SWALLOWING (INGESTION): May cause severe gastrointestinal irritation and/or ulceration of the mouth and throat. Single dose oral LD50 has not been determined.

INHALATION: Dusts or mists may cause severe irritation in upper respiratory tract.

MEDICAL CONDITION AGGRAVATED

BY EXPOSURE: Existing skin and/or respiratory disorders may be aggravated by exposure.

CHRONIC OVEREXPOSURE:.. May cause bronchial irritation, coughing and pneumonia. Persons with pre-existing skin disorders, eye, cardio pulmonary and lung disease may be more susceptible to the effects of this product.

OSHA REGULATORY STATUS: Since this product is a mixture, there is no defined PEL's (Personal Exposure Limits) established by OSHA. ACGIH TLV's (Threshold Limit Values) for hazardous components are listed in the Hazardous Ingredients Section of this MSDS.

SECTION III – COMPOSITION, INFORMATION ON INGREDIENTS

THRESHOLD LIMIT VALUE:.. The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	PERCENT	CAS #	ACGIH/TWA	STEL/TLV
Ammonium Hydrogen difluoride	1-5	1241-49-7	2.5mg/M ³ (as F)	NOT EST.
Dipropylene glycol methyl ether	1-5	34590-94-8	100 PPM	150 PPM

Also contains biodegradable surfactant(s).

SECTION IV – FIRST AID MEASURES

Material Safety Data Sheet
RUST BREAK

EYES: In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.

SKIN (DERMAL):..... Immediately flush skin with lots of cool running water for at least 15 minutes while removing contaminated clothing and/or shoes. Wash contaminated clothing and/or shoes before reuse.

SWALLOWING (INGESTION): NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give several glasses of milk) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:..... Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen as directed by physician or medical personnel.

SECTION V – FIRE FIGHTING MEASURES

FLASHPOINT:..... Non flammable, non combustible

LOWER EXPLOSIVE LIMIT:... N/A

UPPER EXPLOSIVE LIMIT:..... N/A

EXTINGUISHING MEDIA: Use extinguishing media appropriate to primary cause of fire.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid contact with fire fighting personnel as burns may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL/ LEAK PROCEDURES:.. Always use appropriate protective equipment during cleanup. Stop leaks if possible. Review nullFire, reactivity hazards, and precautionsnull before proceeding with cleanup. Soak up small spills with dry sand, clay, or diatomaceous earth. Dike large spills. Cautiously dilute with water, neutralize with lime or soda ash and transfer to waste water treatment system. Prevent liquid from entering sewers and waterways. If this product is spilled and not recovered, or is recovered as a waste for treatment or disposal, the REPORTABLE QUANTITY is 1000 LBS. (based on sulfuric or nitric acid content of the solution) or 5000 LBS. (based on phosphoric or hydrochloric acid content.) Comply with federal, state and local regulations on reporting releases.

SECTION VII – HANDLING AND STORAGE

HANDLING INFORMATION: .. Do not get in eyes, on skin or on clothing. Avoid breathing dust, mists or spray. Do not take internally. Wash thoroughly after handling or contact. Exposure can cause burns that are not immediately painful or visible. Do not add water to contents while in container because of possible violent reaction. Keep container out of sun and away from heat, sparks and flames. Keep container tightly closed when not in use to prevent leakage. Do not use pressure to empty container. Do

Material Safety Data Sheet

RUST BREAK

not wash out container or use it for other purposes. Replace closure after each withdrawal and return it with empty container. Empty containers retain product residue and must be handled as if they were full. KEEP OUT OF REACH OF CHILDREN.

STORAGE REQUIREMENTS:.. Keep containers tightly closed when not in use. Empty container completely and dispose of in accordance with applicable regulations. **SPILLS:** Contain spill. Absorb with inert material and dispose in accordance with applicable regulations. Store away from food production areas and food storage areas.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:..... Chemical safety goggles. OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist) Contact lenses should not be worn when working with any chemicals.

RESPIRATORY PROTECTION: Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in the Hazardous Ingredient Section of this MSDS.

OTHER PROTECTIVE

EQUIPMENT:..... Impervious protective clothing and chemical resistant safety shoes should be worn to minimize contact. Emergency shower and eyewash facility should be in close proximity. (ANSIZ358.1)

VENTILATION:..... Local exhaust sufficient to maintain TLV below permissible exposure limits.

ADDITIONAL MEASURES: Dipropylene Glycol Methyl Ether: OSHA/PEL = 600 mg/M³ (100 ppm) Skin.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:..... Clear liquid with mild odor.

BOILING POINT:..... Approx. 212° F.

VAPOR PRESSURE:..... NOT EST.

VAPOR DENSITY (AIR=1):..... NOT EST.

SPECIFIC GRAVITY:..... 1.01

pH: 4.0 ± 0.5

SOLUBILITY IN WATER:..... Completely soluble in water.

SECTION X – STABILITY AND REACTIVITY

STABILITY:..... Stable

HAZARDOUS

POLYMERIZATION:..... Will not occur.

INCOMPATIBILITY:..... Chlorinated products such as bleach, alkaline materials, metals, metal powder, carbides, chlorates, fumigates, nitrates, picrates, strong oxidizers, reducing or combustible organic material. Hazardous gases are evolved on contact with chemicals such as chlorine bleach, cyanides, sulfides and carbides.

HAZARDOUS

DECOMPOSITION:..... Carbon monoxide, carbon dioxide. Oxides of sulfur, nitrogen and/or phosphorous may be released at extremely high temperatures. Reactions with chlorinated products produce deadly chlorine gas.

SECTION XI – TOXICOLOGICAL INFORMATION

Material Safety Data Sheet

RUST BREAK

TOXICOLOGICAL

INFORMATION:..... **DIPROPYLENE GLYCOL METHYL ETHER:** Acute Toxicity: Ingestion LD50, Rat 5135 mg/kg, Skin Absorption LD50, Rabbit > 20 ml/kg; Sensitization Skin: Did not cause allergic skin reactions when tested in humans. **Related Dose Toxicity:** In animals, effects have been reported on the following organs: Liver, Kidney. Symptoms of excessive exposure may be anesthetic or narcotic effects: dizziness and drowsiness may be observed. **Developmental Toxicology:** Did not cause birth defects or any other fatal effects in laboratory animals. **Genetic Toxicology:** In Vitro genetic toxicity studies were negative.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION:..... **Ammonium hydrogen difluoride:** Environmental Fate: This material is not expected to significantly bioaccumulate. When released into water, this material may biodegrade to a moderate extent. Environmental Toxicity: This material is not expected to be toxic to aquatic life. The LC50/96hr values for fish are over 100 mg/L. **Dipropylene glycol methyl ether:** Persistence and Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches >70% mineralization in OECD test(s) for inherent biodegradability, Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis. (LC50/EC50L 100 mg/L in the most sensitive species tested.)

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

SECTION XIV – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:..... N/A
HAZARD CLASS AND LABEL: N/A
UN NUMBER:..... N/A
PACKAGING GROUP:..... N/A

SECTION XV – REGULATORY INFORMATION

LISTED CARCINOGEN:..... None known
TSCA STATUS:..... All components in this product are listed on the TSCA inventory.
SARA SECTION 313:..... This product does not contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372);
NFPA HEALTH:..... 2
NFPA FLAMMABILITY:..... 0
NFPA REACTIVITY:..... 0

R-PHRASES:..... R36: Irritating to eyes R38: Irritating to skin

Material Safety Data Sheet
RUST BREAK

S-PHRASES:..... S24/25: Avoid contact with skin, eyes.

CANADIAN WHMIS:..... This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. **Ammonium Bifluoride:** Listed as (Fluorides, inorganic) CAS# 1341-49-7 is listed on the Canadian Ingredient Disclosure List.

CANADIAN DSL: (Domestic Substances List)

SECTION XVI – OTHER INFORMATION

REFERENCES: The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. HYDRAMASTER CORP. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

FOOT NOTES: NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.