

Material Safety Data Sheet
RINSEOUT

HYDRAMASTER CORP. 11015 47TH AVE. SE MUKILTEO, WA 98275 (425) 775-7272	DATE PREPARED:..... JAN 2, 2013 DATE REVISED: JAN 2, 2013 24 HOUR EMERGENCY PHONE NUMBER PERS:..... 1-800-633-8253
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SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME:..... RINSEOUT
CHEMICAL FAMILY: MILDLY ACIDIC MATERIAL
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – 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	1341-49-7	2.5 mg/M ³ (F)	NOT EST.
Hydroxyacetic acid	1-5	79-14-1	NOT EST.	NOT EST.
Ethoxylated Alcohol	1-5	68439-46-3	NOT EST.	NOT EST.
Ethylenediamine tetraacetate Na salt	< 1	64-02-8	NOT EST.	NOT EST.
Citric acid	< 1	77-92-9	NOT EST.	NOT EST.

Also contains biodegradable surfactant(s).

SECTION III – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

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

SKIN (DERMAL):..... Skin contact may cause irritation while prolonged exposure may cause chemical burns.

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

INHALATION:..... Vapors and mist may cause respiratory tract irritation.

MEDICAL CONDITION AGGRAVATED

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

CHRONIC OVEREXPOSURE:.. None known

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.

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SECTION IV – FIRST AID MEASURES

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:..... If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately. Never give anything by mouth to an unconscious person.

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:.. Appropriate protective clothing must be worn by trained cleanup personnel. Dike the area to contain the spill. Dilute with large quantities of dilute soda ash or sodium bicarbonate (baking soda) solution to neutralize any residual acid. Properly neutralized liquid (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

SECTION VII – HANDLING AND STORAGE

HANDLING INFORMATION: .. Store away from chlorinated products, alkalines and reducing agents. Keep container tightly closed when not in use. 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.

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SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:..... Chemical safety goggles. 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: Rubber gloves, coveralls and protective footwear.

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

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:..... 1.02

pH: 4.5 AS IS

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 and carbon dioxide upon thermal decomposition.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL

INFORMATION:..... **Hydroxyacetic acid:** Inhalation 4 hr LC50: 3.6 mg/l (male rats); Inhalation 4 hour LC50: > 5.2 mg/l (female rats), Oral LD50: 1938 mg/kg (rat). Hydroxyacetic acid is a skin and eye corrosive. It is not a skin sensitizer in animals. **Ethylenediamine Tetraacetate (EDTA):** The 96 hour LC50 = 1030 mg/L for Bluegill. The 96 hour No Adverse Effect Level (NOAEL) is 456 mg/L for Bluegill. C.O.D.: approx. 260 mg/s. This product is not readily biodegradable. LD50 oral (rat): 2000 mg/L.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

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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.

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

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

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES:

R-PHRASES: R36: Irritating to eyes R22: Harmful if swallowed. R38: Irritating to skin

S-PHRASES: S24/25: Avoid contact with skin, eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. S2: Keep out of reach of children

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

CANADIAN DSL: Listed (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

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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.