

Material Safety Data Sheet
SAFECLEAN™ DESCALER

HYDRAMASTER CORP.

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24 HOUR EMERGENCY PHONE NUMBER
CHEMTREC: 800-424-9300

SECTION I – IDENTIFICATION

PRODUCT NAME: SAFECLEAN™ DESCALER
CHEMICAL FAMILY: PH NEUTRAL MATERIAL
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

EYES: May cause severe eye irritation with possible impairment of vision.
SKIN (DERMAL): Prolonged and/or repeated exposure to concentrated product may result in irritation to the skin.
SWALLOWING (INGESTION): Harmful if swallowed. 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.

SECTION III – COMPOSITION INFORMATION ON INGREDIENTS

THRESHOLD LIMIT VALUE:.. N/A

HAZARDOUS INGREDIENT	PERCENT	CAS NO.	ACGIH/TWA	STEL/TLV
Sodium Hydroxide (neutralized)	5-10	1310-73-2	NOT EST.	2 mg/M ³ (Ceil)
EDTA tetrasodium salt	1-5	64-02-8	NOT EST.	NOT EST.
Phosphonic acid	15-30	6419-19-8	NOT EST.	NOT EST.

SECTION IV – FIRST AID DATA

EYES: In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. If irritation persists, get medical attention.
SKIN (DERMAL): Wash with running water for 15 minutes while removing contaminated clothing. Wash contaminated clothing before reuse.
SWALLOWING (INGESTION): NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water.

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(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:.. Appropriate protective clothing must be worn by trained cleanup personnel. Dilute with large quantities of water and dispose in waste water treatment facilities. Check with local authorities first.

SECTION VII – HANDLING AND STORAGE

HANDLING INFORMATION: .. Store away from acids, oxidizing compounds and other incompatible materials. 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.

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

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APPEARANCE: Clear liquid with mild to no odor.
BOILING POINT:..... Approx. 212° F.
VAPOR PRESSURE:..... NOT EST.
VAPOR DENSITY (AIR=1):..... NOT EST.
SPECIFIC GRAVITY:..... 1.14
pH: 7.0 - 8.0 AS IS
SOLUBILITY IN WATER:..... Completely soluble in water.

SECTION X – STABILITY AND REACTIVITY DATA

STABILITY: Stable
HAZARDOUS
POLYMERIZATION: Will not occur
INCOMPATIBILITY: Strong oxidizing agent, strong acids.
HAZARDOUS
DECOMPOSITION: Carbon monoxide and carbon dioxide upon thermal decomposition.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL
INFORMATION: Acute Oral Effects: Not determined. Acute toxicity via the oral route is expected to be low. Acute Dermal Effects: Not determined. Acute toxicity via the dermal route is expected to be low.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL
INFORMATION: No data available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.

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: NON HAZARDOUS
UN NUMBER: N/A
PACKAGING GROUP:..... N/A

SECTION XV – REGULATORY INFORMATION

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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

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is not considered as dangerous goods, per Transport Canada regulations.

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.

OTHER CANADIAN REGULATIONS: Not applicable.

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.