

Material Safety Data Sheet
QUAKE HD

HYDRAMASTER

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24 HOUR EMERGENCY PHONE NUMBER
PERS:..... 1-800-633-8253

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: QUAKE HD
CHEMICAL FAMILY: MODERATELY ALKALINE MATERIAL
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

EYES: May cause severe irritation with corneal injury possible. Dust, mists, or vapors may irritate eyes.

SKIN (DERMAL):..... SKIN CONTACT: Short single exposure may cause severe skin irritation. SKIN ABSORPTION: A single prolonged skin exposure is not likely to result in absorption of harmful amounts. The dermal LD50 has not been determined.

SWALLOWING (INGESTION): May cause gastrointestinal irritation or ulceration and severe burns 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:.. 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:.. 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
Diethylene glycol monobutyl ether	5-10	112-34-5	NOT EST.	NOT EST.
Sodium tripolyphosphate	1-5	7758-29-4	NOT EST.	NOT EST.
Potassium hydroxide	> 1	1310-58-3	NOT EST.	2 mg/M ³ (Ceil)
Lauramine oxide	1-5	1673-20-5	NOT EST.	NOT EST.
Naphthalene sulfonate	1-5	Trade secret	NOT EST.	NOT EST.

SECTION IV – FIRST AID MEASURES

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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. Obtain medical attention if irritation persists. 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: > 200° F.

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:.. Only trained and properly protected personnel should be involved in spill cleanup operations. Acting cautiously, small accidental spills should be carefully flushed with water. Dilute acid, preferably acetic acid, may be used to neutralize only the final traces of product after flushing. Spills or releases should be reported, if required, to the appropriate local , state and federal regulatory agencies.

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. Keep container tightly closed when not in use to prevent leakage. 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.

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SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:..... Chemical safety goggles in compliance with OSHA regulations are advised. 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 gloves 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.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear light amber liquid with mild odor.

BOILING POINT:..... Approx. 212°

VAPOR PRESSURE: NOT EST.

VAPOR DENSITY (AIR=1): NOT EST.

SPECIFIC GRAVITY:..... 1.05

pH: 12.25 ± 0.25

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

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS

POLYMERIZATION: Will not occur

INCOMPATIBILITY: Avoid contact with aluminum, tin, zinc, bronze, brass and alloys containing these metals. Do not mix with acids or organic compounds due to possible violent reaction. Avoid contact with leather, wool, organic halogens and nitrogen compounds.

HAZARDOUS

DECOMPOSITION: Carbon monoxide and carbon dioxide upon thermal decomposition. May liberate oxygen which may contribute to the severity of a fire.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL

INFORMATION: **Diethylene glycol monobutyl ether:** Acute: 20mg (rabbit)(draize test eye/24hour) Dermal LD50: 2700mg/kg (rabbit), Oral LD50: 2400mg/kg (mouse), 2200 mg/kg (rabbit), 5660mg/kg (rat), Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA. **Potassium hydroxide:** Toxicity Data: This material will affect all tissues with which it comes in contact. LD50 oral (rat): 607 mg/kg.

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SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION: **Diethylene glycol monobutyl ether:** Goldfish, LC50 = 2700mg/24hr; Atlantic silverside, TL50 = 2000 ppm/96hr. **Potassium hydroxide:** Fish Toxicity: This material has exhibited moderate toxicity to aquatic organisms. for Potassium Hydroxide: 80 mg/L (96hr) LC50 Mosquito fish: 165 mg/L (24hr) LC50 Guppy. **PERSISTENCE:** This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material is believed to exist in the disassociated state in the environment.

SECTION XIII – DISPOSAL CONSIDERATIONS

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

ADDITIONAL: Always add this product to water with constant agitation.

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.

NFPA HEALTH: 3

NFPA FLAMMABILITY: 0

NFPA REACTIVITY: 0

R-PHRASES: NOT EST.

S-PHRASES: NOT EST.

CANADIAN WHMIS:..... **Diethylene glycol monobutyl ether:** Class B combustible liquid, Class D2B other toxic effects-skin irritation. **Sodium tripolyphosphate:** Class D2B other toxic effects. **Potassium hydroxide:** Class E This product has been classified in accordance with the hazardous criteria of the Controlled Product Regulations.

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

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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.