

**Material Safety Data Sheet
QUAKE**

HYDRAMASTER CORP. 11015 47TH AVE. SE MUKILTEO, WA 98275 (425) 775-7272	DATE PREPARED:..... MAR 1, 2012 DATE REVISED: MAR 1, 2012 24 HOUR EMERGENCY PHONE NUMBER PERS:..... 1-800-633-8253
--	---

SECTION I – PRODUCT IDENTIFICATION

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

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
2 butoxyethanol	5-10	111-76-2	20 PPM	NOT EST.
Sodium tripolyphosphate	1-5	7758-29-4	NOT EST.	NOT EST.
Potassium hydroxide	1-5	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 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 IV – FIRST AID MEASURES

Material Safety Data Sheet

QUAKE

EYES: Water is the only acceptable method of removal of this product from the eyes or skin. You may have 10 seconds or less to avoid serious permanent injury. Therefore, IMMEDIATE first aid must be given after any exposure. Moving the victim from water access for transport to medical aid should be done only on the advice of qualified medical personnel. While transporting victim to a medical facility, continue washing if possible. In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.

SKIN (DERMAL):..... Immediately remove contaminated clothing and footwear. Wash skin thoroughly with soap and water for at least 15 minutes. Obtain medical attention if irritation persists. Wash clothing before reuse. Discard contaminated leather articles such as shoes or belts.

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:..... Above 200 Degr. 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. Exposure can cause burns that are not immediately painful or visible. Keep container tightly closed when not in use to prevent leakage. Do not use pressure to empty

Material Safety Data Sheet

QUAKE

container. Do 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 and full face shield to protect against splashing 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:..... 1.06

pH: 11.5 ± 0.5 (1% solution)

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

Material Safety Data Sheet

QUAKE

TOXICOLOGICAL

INFORMATION: **2-Butoxyethanol:** Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Toxicity to Animals: WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 470 mg/kg (Rat). Acute dermal toxicity (LD50): 220 mg/kg (Rabbit). Acute toxicity of the vapor (LC50): 450 4hours (Rat). NTP carcinogen: No, IARC category: None.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION: **2-Butoxyethanol:** Ecological Toxicity: Not Available. BOD5 & COD: Not Available. Products of Degradation: Possibly hazardous short term degradation products are not likely.

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: UN-1814, POTASSIUM HYDROXIDE, SOLUTION, 8, PG-III

UN NUMBER: UN 1814

PACKAGING GROUP: PG – III

FOR INTERNAL PACKAGES OF 1 GALLON OR LESS, MAY BE SHIPPED BY LAND IN NORTH AMERICA AS:

PROPER SHIPPING NAME: Consumer Commodity

HAZARD CLASS AND LABEL: ORM-D

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

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: 2-Butoxyethanol: CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

Potassium hydroxide: WHMIS: Class E, DSL: Listed, **CONTROLLED PRODUCTS REGULATIONS (CPR):** This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION XVI – OTHER INFORMATION

Material Safety Data Sheet

QUAKE

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