

Safety Data Sheet
BLITZ W/ GREASEBREAKER

HYDRAMASTER

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

DATE PREPARED:..... MAR 1, 2012
DATE REVISED: JAN 2, 2013

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

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: BLITZ W/ GREASEBREAKER
CHEMICAL FAMILY: ALKALINE MATERIAL
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

EYES: May cause severe irritation with corneal injury and result in permanent impairment of vision, even blindness. Dust, mists, or vapors may irritate eyes.

SKIN (DERMAL):..... SKIN CONTACT: Short single exposure may cause severe skin burns. 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
Sodium tripolyphosphate	30-60	7758-29-4	NOT EST.	NOT EST.
Sodium carbonate	10-20	497-19-8	NOT EST.	NOT EST.
EDTA tetrasodium salt	1-5	64-02-8	NOT EST.	NOT EST.
Sodium metasilicate pentahydrate	1-5	6834-92-0	NOT EST.	NOT EST.
Dipropylene glycol methyl ether	1-5	34590-94-8	100 PPM	150 PPM
D-limonene	1-5	8008-57-9	NOT EST.	NOT EST.
Propylene glycol butyl ether	1-5	5131-66-8 & 15821-83-7	NOT EST.	NOT EST.

Safety Data Sheet
BLITZ W/ GREASEBREAKER

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):..... Wash with plenty of running water until no product residue remains. 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. (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.

NOTE TO PHYSICIAN:..... NOT EST.

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 take internally. May be harmful if swallowed. 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

Safety Data Sheet

BLITZ W/ GREASEBREAKER

EYE PROTECTION:..... Chemical safety goggles 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: Protective clothing 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: Free flowing powder with mild odor.

BOILING POINT:..... NOT EST.

VAPOR PRESSURE:..... NOT EST.

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

SPECIFIC GRAVITY:..... > 1

pH: 11.2 (1% SOLUTION)

SOLUBILITY IN WATER:..... Soluble in water.

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS

POLYMERIZATION: Will not occur

INCOMPATIBILITY: Do not mix with acids or organic compounds.

HAZARDOUS

DECOMPOSITION: Carbon monoxide and carbon dioxide upon thermal decomposition.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL

INFORMATION: **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. **SODIUM METASILICATE:** This product has not been tested for primary eye irritation potential. However, on the basis of its alkalinity, it is regarded as corrosive to the eyes. OECD Guidelines Section 404 testing resulted in dermal corrosion. Acute Oral Toxicity LD50 (rat): 1500 - 3200 mg/kg. **MUTAGENICITY:** This product was not found to be mutagenetic to the bacterium E. Coli when tested in a mutagenicity bioassay. There are no known reports of carcinogenicity of sodium silicates. **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

Safety Data Sheet

BLITZ W/ GREASEBREAKER

birth defects or any other fatal effects in laboratory animals. **Genetic Toxicology:** In Vitro genetic toxicity studies were negative. **D-limonene:** **Acute Effects:** Citrus terpenes have been shown to have low oral toxicity (LD50 >5 g/kg) and low dermal toxicity (LD50>5 g/kg) when tested on rabbits. Citrus terpenes also showed low toxicity by inhalation (RD50. 1 g/kg) when tested on mice. The skin irritancy of limonene in guinea pigs and rabbits is considered moderate and low, receptively. Inhalation may cause irritation of the nose, throat, and respiratory tract. **Chronic Effects:** This product is not classified as a carcinogen by OSHA, IARC, ACGIH or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain known reproductive or developmental toxins. Prolonged or repeated exposure can cause drying or dermatitis of skin. Improper storage and handling may lead to the formation of a possible skin sensitizer.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION: **Ethylenediamine Tetraacetate (EDTA):** Treat as nuisance dust - 10 mg/M³. **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.) **D-Limonene:** Ecotoxicity: There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade terpenes, decreasing their toxicity to fish. When spilled, this product may act as an oil, causing a film, sheen, emulsion or sludge at or beneath the surface of a body of water. Persistence/Degradability: Product is expected to be readily biodegradable. Bioaccumulation/Accumulation: No appreciable bioaccumulation is expected in the environment. Mobility in Environment: Citrus terpenes volatilize rapidly.

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.

Safety Data Sheet
BLITZ W/ GREASEBREAKER

NFPA HEALTH: 2
NFPA FLAMMABILITY: 0
NFPA REACTIVITY: 0

R-PHRASES: R-36: Irritating to eyes, R-38: Irritating to skin

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

CANADIAN WHMIS:..... Sodium tripolyphosphate: WHMIS class D2A, material causing other toxic effects. **Diethylene glycol monobutyl ether:** Class B combustible liquid, Class D2B other toxic effects-skin irritation. 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
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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: N/A = Not applicable, NOT EST. = Not Established.