

Material Safety Data Sheet
ZIP DRI ENCAP TS

HYDRAMASTER CORP.

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

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: ZIP DRI ENCAP TS
CHEMICAL FAMILY: MILDLY ALKALINE 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
Diethylene glycol monobutyl ether	1-5	112-34-5	NOT EST.	NOT EST.
Anionic polymer	5-10	Proprietary	NOT EST.	NOT EST.
Nonionic surfactant	1-5	Mixture	NOT EST.	NOT EST.

Also contains an acrylic copolymer

SECTION III – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

EYES: May cause mild to severe irritaiton of the eyes.

SKIN (DERMAL):..... Prolonged and/or repeated exposure to concentrated product may result in irritation to the skin.

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

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 definded 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

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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):..... Wash with plenty of running water until no product residue remains. Wash contaminated clothing before reuse.

SWALLOWING (INGESTION): If conscious, give two or three glasses of water. Induce vomiting and continue until vomited fluid is clear. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

INHALATION:..... If exposure by inhalation is suspected, immediately move exposed individual to fresh air. 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. 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:No respirator is required under normal conditions of use.

OTHER PROTECTIVE EQUIPMENT: Rubber gloves, coveralls and protective footwear.

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

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear light amber liquid with mild odor
BOILING POINT:..... Approx. 212° F.
VAPOR PRESSURE: NOT EST.
VAPOR DENSITY (AIR=1):..... NOT EST.
SPECIFIC GRAVITY:..... 1.02
pH: 9.5 ± 0.5 AS IS
SOLUBILITY IN WATER:..... Completely soluble in water.

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS
POLYMERIZATION: Will not occur
INCOMPATIBILITY: Strong oxidizing materials, halogens, peroxides, acidic clays.
HAZARDOUS
DECOMPOSITION: Oxides of carbon, nitrogen and phosphorous

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. Neurotoxicity: No information available, Reproductive Effects: No information available, Teratogenic Effects: No information available, Mutagenicity: No information available.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL
INFORMATION: **Diethylene Glycol Monobutyl Ether:** (Glycol Ether DB) This product cannot accumulate in living tissue. In BOD test, 88% degraded in 28 days. The half-life in air is estimated at 10 hours.

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

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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

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

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.

CANADIAN WHMIS:..... **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: (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 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.