

# MATERIAL SAFETY DATA SHEET

## DEFOAM 410

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### SECTION 1

### MANUFACTURER INFORMATION

HYDRO-ZONE, INC.  
17800 Telegraph Road  
Romulus, MI 48174  
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EMERGENCY CONTACT:  
(800) 255-3924

### SECTION 2

### PRODUCT IDENTIFICATION

PRODUCT NUMBER.....410  
TRADE NAME OR CHEMICAL NAME.....Defoam 410  
SYNONYMS.....NA  
CHEMICAL FAMILY.....Organosilicone emulsion  
NFPA- HEALTH HAZARD.....1  
FIRE HAZARD.....0  
REACTIVITY HAZARD.....0  
NFPA SCALE.....4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT  
KEY.....NA= Not Applicable NF= Not Determined

### SECTION 3

### HAZARDOUS IDENTIFICATION

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT.</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>SEC. 313</u>	<u>CARCINOGEN?</u>
Triethanolamine	102-71-6	<5	5 mg/M <sup>3</sup>	5 mg/M <sup>3</sup>	No	No
Hydrophobic silica	67762-90-7	<10	6 mg/M <sup>3</sup>	6 mg/M <sup>3</sup>	No	No

### SECTION 4

### SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....Compound, defoaming  
D.O.T. HAZARD CLASS.....Not regulated  
D.O.T. LABELS REQUIRED.....NA  
UN/NA I.D. NUMBER.....NA  
PACKAGING GROUP.....NA  
NON-BULK SHIPPING NAME.....Compound, Defoaming  
BULK SHIPPING NAME.....Compound, Defoaming

### SECTION 5

### PHYSICAL DATA

BOILING/ FREEZING POINT @ 760 mmHg.....212°F (100 °C)/ <32°F (<0 °C)  
pH.....7.0 -- 8.5  
VAPOR PRESSURE mmHg @ 20°C.....<20 mm Hg @ 68°F  
VAPOR DENSITY (Air=1).....>1.0 (Air=1)  
PERCENT VOLATILE BY WEIGHT (%).....75  
SPECIFIC GRAVITY @20°C.....1.0  
SOLUBILITY IN WATER.....Dispersable  
EVAPORATION RATE.....<0.1 (Butyl Acetate=1)  
APPEARANCE AND ODOR.....Opaque white to off-white liquid with mild characteristic odor.

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## SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (PENSKEY-MARTEN C.C.).....>200°F  
AUTOIGNITION TEMPERATURE.....Unknown  
FLAMMABILITY LIMITS IN AIR (% V).....NA  
EXTINGUISHING MEDIA.....Carbon dioxide, dry or foam.  
SPECIAL FIRE FIGHTING PROCEDURES.....Use SCBA with full face shield.  
UNUSUAL FIRE & EXPLOSION HAZARDS.....Drums heated by fire can rupture.

## SECTION 7 REACTIVITY DATA

PRODUCT STABILITY.....Stable  
Conditions To Avoid.....NA  
CHEMICAL INCOMPATIBILITY.....Strong oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS.....Carbon and silicon oxides upon combustion.  
HAZARDOUS POLYMERIZATION.....Will Not Occur

## SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT.....May cause irritation to the skin.  
EYE CONTACT.....Will cause temporary discomfort and redness of eye.  
INHALATION.....Mists and vapors may be irritating to mucous membranes.  
INGESTION.....LD<sub>50</sub> not established, effects include headache, nausea and fatigue.

## SECTION 9 EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.  
EYES.....Immediately flush eyes with large amounts of water for 15 minutes and seek medical attention if irritation persists.  
INGESTION.....If swallowed, drink 2 to 3 glasses of water. Seek medical attention immediately.  
INHALATION.....Move to fresh. Aid in breathing, if necessary, seek medical attention.

## SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES.....Dike and reclaim as much spilled material as possible. Cover spill residue with absorbent material and shovel into closable containers. Do not flush away to sewers or any natural waterways.  
WASTE DISPOSAL METHOD.....Incinerate or landfill in accordance with federal, state and local regulations.  
HAZARDOUS WASTE 40CFR261.....NA  
CONTAINER DISPOSAL.....Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse or disposal in accordance with governmental regulations.

## SECTION 11 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.  
VENTILATION.....Local exhaust is generally sufficient to minimize exposure.  
PROTECTIVE CLOTHING.....Chemical resistant gloves, apron, boots----as necessary, to prevent skin contact.  
EYE PROTECTION.....Chemical goggles or safety glasses.  
OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

## SECTION 12 SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.