

## **SAFETY DATA SHEET**

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

PRODUCT IDENTITY: FOAMLESS CH47  
PRODUCT PURPOSE: DEFOAMER  
COMPANY IDENTITY: Hydro-Force Manufacturing  
COMPANY ADDRESS: 4282 S 590 W  
COMPANY CITY: Salt Lake City, UT 84123  
COMPANY PHONE: 1-800-948-1779  
EMERGENCY PHONES: INFOTRAC: 1-800-535-5053 (USA)

### **SECTION 2. HAZARDS IDENTIFICATION**

**DANGER!!**



**EXPOSURE PREVENTION: PREVENT DISPERSION OF MISTS OR DUST!**

**HAZARD STATEMENTS: (CAT = Hazard Category)**

H100s = General, H200s = Physical, H300s = Health, H400s

H315 Causes skin irritation.(CAT:2)

H320 Causes eye irritation.(CAT:2)

**PRECAUTIONARY STATEMENTS:**

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P264 Wash with soap & water thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air & keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.

P332+313 If skin irritation occurs: Get medical advice/attention.

P337+313 If eye irritation persists, get medical advice/attention.

P501 Dispose of contents/container to an approved waste disposal plant.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

There are no components contained in this material >1.0% that are considered hazardous under 29CFR1910.1200.

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

**SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.**

### **SECTION 4. FIRST AID MEASURES**

**EYE CONTACT:**

For eyes, flush with plenty of water for 15 minutes & get medical attention.

**SKIN CONTACT:**

In case of contact with skin immediately remove contaminated clothing.

Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

**INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin

COMPANY IDENTITY: Hydro-Force Manufacturing  
PRODUCT IDENTITY: FOAMLESS

SDS DATE: 02/12/2014  
REPLACES: 02/10/2014

**SECTION 4. FIRST AID MEASURES (CONTINUED)**

artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

**SWALLOWING:**

Rinse mouth. Give plenty of water to drink.  
GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

**SECTION 5. FIRE FIGHTING MEASURES**

**FIRE & EXPLOSION PREVENTIVE MEASURES**

Isolate from oxidizers, extreme heat, and open flame.

**EXTINGUISHING MEDIA**

Use dry powder, alcohol-resistant foam, water in large amounts, carbon dioxide.  
. use appropriate extinguishing media.

**SPECIAL FIRE FIGHTING PROCEDURES**

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.  
Do not enter confined fire-space without full bunker gear.  
(Helmet with face shield, bunker coats, gloves & rubber boots).

**UNUSUAL EXPLOSION AND FIRE PROCEDURES**

Isolate from oxidizers, heat, & open flame.  
Closed containers may explode if exposed to extreme heat.  
Applying to hot surfaces requires special precautions.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTIVE MEASURES:**

Keep unprotected personnel away.  
Wear appropriate personal protective equipment given in Section 8.

**ENVIRONMENTAL PRECAUTIONS:**

Keep from entering storm sewers and ditches which lead to waterways.

**CONTAINMENT AND CLEAN-UP MEASURES:**

Stop spill at source. Dike and contain.  
Collect leaking liquid in sealable containers.  
Absorb remaining liquid in sand or inert absorbent.

**SECTION 7. HANDLING AND STORAGE**

**HANDLING**

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.  
Avoid prolonged or repeated contact with skin. Wear OSHA Standard goggles or face shield.  
Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

**STORAGE**

Isolate from strong oxidants, strong acids. Keep dry. Do not store above 49 C/120 F.  
Keep container tightly closed & upright when not in use to prevent leakage.

COMPANY IDENTITY: Hydro-Force Manufacturing  
 PRODUCT IDENTITY: FOAMLESS

SDS DATE: 02/12/2014  
 REPLACES: 02/10/2014

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

There are no components contained in this material >1.0% that are considered hazardous under 29CFR1910.1200. There are no known risks for TWA (OSHA) and TLV (ACGIH).

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

### RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### VENTILATION

LOCAL EXHAUST: Necessary                      MECHANICAL (GENERAL): Acceptable  
 SPECIAL: None                                      OTHER: None  
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles & gloves as a standard practice.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

|  |  |
|--|--|
| APPEARANCE:                                      | Cloudy Viscous Liquid                      |
| ODOR:  | Light Amine                                |
| ODOR THRESHOLD:                                  | Not Available                              |
| pH (Neutrality):                                 | 7.1  |
| MELTING POINT/FREEZING POINT:                    | Not Available                              |
| BOILING RANGE (IBP,50%,Dry Point):               | 100 100 100* C/212 213 213* F(*=End Point) |
| FLASH POINT (TEST METHOD):                       | Not Applicable                             |
| EVAPORATION RATE (n-Butyl Acetate=1):            | Not Applicable                             |
| FLAMMABILITY CLASSIFICATION:                     | Class III-B                                |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol):         | Not Applicable                             |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol):         | Not Available                              |
| VAPOR PRESSURE (mm of Hg)@20 C                   | 17.5                                       |
| VAPOR DENSITY (air=1):                           | 0.672                                      |
| GRAVITY @ 68/68 F / 20/20 C:                     |  |
| DENSITY:   | 0.999                                      |
| SPECIFIC GRAVITY (Water=1):                      | 1.000                                      |
| POUNDS/GALLON:                                   | 8.413                                      |
| WATER SOLUBILITY:                                | Appreciable                                |
| PARTITION COEFFICIENT (n-Octane/Water):          | Not Available                              |
| AUTO IGNITION TEMPERATURE:                       | Not Applicable                             |
| DECOMPOSITION TEMPERATURE:                       | Not Available                              |
| VOCs (>0.044 Lbs/Sq In) :                        | Not Available                              |
| TOTAL VOC'S (TVOC)*:                             | 0.000 Lbs/Gal                              |
| NONEXEMPT VOC'S (CVOC)*:                         | 0.000 Lbs/Gal                              |
| HAZARDOUS AIR POLLUTANTS (HAPS):                 | 0.0 Wt%                                    |
| NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) | Not Available                              |
| VISCOSITY @ 25 C (ASTM E2196):                   | 197 cPs                                    |

\* Using CARB (California Air Resources Board Rules).

## SECTION 10. STABILITY & REACTIVITY

### STABILITY

Stable under normal conditions.

### CONDITIONS TO AVOID

Isolate from oxidizers, heat, & open flame.

### MATERIALS TO AVOID

The substance is a weak base, reacts with acids.  
 On combustion forms irritating and toxic gases including nitrogen oxides,  
 Reacts with strong oxidants, causing fire & explosion hazard.

COMPANY IDENTITY: Hydro-Force Manufacturing  
PRODUCT IDENTITY: FOAMLESS

SDS DATE: 02/12/2014  
REPLACES: 02/10/2014

**SECTION 10. STABILITY & REACTIVITY (CONTINUED)**

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Nitrogen Oxide vapors from heating.

HAZARDOUS POLYMERIZATION

Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**ACUTE HAZARDS**

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.

SWALLOWING:

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**

CONDITIONS AGGRAVATED

Persons with severe skin, liver or kidney problems should avoid use.

**CHRONIC HAZARDS**

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known as a sensitizer.

MUTAGENICITY: No known reports of mutagenic effects in humans.

EMBRYOTOXICITY: No known reports of embryotoxic effects in humans.

TERATOGENICITY: No known reports of teratogenic effects in humans.

REPRODUCTIVE TOXICITY: No known reports of reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

**MAMMALIAN TOXICITY INFORMATION**

No mammalian information is available on this product.

COMPANY IDENTITY: Hydro-Force Manufacturing  
PRODUCT IDENTITY: FOAMLESS

SDS DATE: 02/12/2014  
REPLACES: 02/10/2014

**SECTION 12. ECOLOGICAL INFORMATION**

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**EFFECT OF MATERIAL ON PLANTS AND ANIMALS:**

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

**EFFECT OF MATERIAL ON AQUATIC LIFE:**

No aquatic environmental information is available on this product.

**MOBILITY IN SOIL**

This material is a mobile liquid.

**DEGRADABILITY**

This product is partially biodegradable.

**ACCUMULATION**

Bioaccumulation of this product has not been determined.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

**ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.**

**SECTION 14. TRANSPORT INFORMATION**

MARINE POLLUTANT: No  
DOT/TDG SHIP NAME: Not Regulated  
DRUM LABEL: None  
IATA / ICAO: Not Regulated  
IMO / IMDG: Not Regulated  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

**SECTION 15. REGULATORY INFORMATION**

**EPA REGULATION:**

SARA SECTION 311/312 HAZARDS: Acute Health



All components of this product are on the TSCA list.

This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

**STATE REGULATIONS:**

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

**CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):**

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

**INTERNATIONAL REGULATIONS**

The identified components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

COMPANY IDENTITY: Hydro-Force Manufacturing  
PRODUCT IDENTITY: FOAMLESS

SDS DATE: 02/12/2014  
REPLACES: 02/10/2014

**SECTION 15. REGULATORY INFORMATION (CONTINUED)**

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)  
D2B: Irritating to skin / eyes.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.

**SECTION 16. OTHER INFORMATION**

**HAZARD RATINGS:**

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0  
(Personal Protection Rating to be supplied by user based on use conditions.)  
This information is intended solely for the use of individuals  
trained in the NFPA & HMIS hazard rating systems.

**EMPLOYEE TRAINING**

See Section 2 for Risk & Safety Statements. Employees should be made aware  
of all hazards of this material (as stated in this SDS) before handling it.

SDS DATE: 02/10/2014

**NOTICE**

Hydro-Force Manufacturing disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.