

Varn International, Inc., a Flint Group Company

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For Product Questions call: (800) 336-VARN(8276)
For Health and Safety Questions call: (800) 336-VARN(8276)
After Hours Emergency Health/Safety Questions: (800) 391-0698 Prosar (US/Canada)
24 Hour Emergency Spill Contact call: (800) 424-9300 Chemtrec (US/Canada)

Material Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PRESSLINE UNIVERSAL FOUNT SOLUTION
Product Code: 650-B023028
MSDS Code: MSD-B023028
Revision Number: 1
Revision Date: 2011-03-25 09:20:53

II. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS# | Chemical Name | % |
|------------|----------------------|---------|
| 25265-71-8 | Dipropylene glycol | 10 - 30 |
| 25322-69-4 | Polypropylene glycol | 3 - 7 |

Please see Section VIII for product and component exposure guidelines.

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

HMIS Rating Health: 1 Flammability: 0 Reactivity: 0
HMIS Flammability based upon firepoint exemption.

This product falls under the following WHMIS class:

This product is not controlled. Ce produit n'est pas contrôlé.

Routes of Entry: Inhalation, Ingestion, Skin contact, Eye contact

Medical Conditions No medical conditions affected by exposure.

Aggravated:

Immediate (Acute) Health Effects by Route of Exposure

Inhalation: No hazard in normal industrial use.

Skin Contact: Can cause minor skin irritation.

Eye Contact: Can cause minor irritation, tearing and reddening.

Ingestion: No hazard in normal industrial use.

Long-Term (Chronic) Health Effects

Reproductive and Developmental: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, no hazard in normal industrial use.

Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Upon prolonged or repeated exposure, no hazard in normal industrial use.

PRESSLINE UNIVERSAL FOUNT SOLUTION

Ingredients of this product appear on the following OSHA identified carcinogen lists at >= 0.1% by weight (yes/no):

| | | | | | | | |
|------|----|-----|----|-------------|----|-------|----|
| OSHA | No | NTP | No | IARC 1 & 2A | No | NIOSH | No |
| | | | | IARC 2B | No | | |

IV. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen.

Eyes: Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

V. FIRE FIGHTING MEASURES

Flammability Summary: Not combustible

Extinguishing Media: Not combustible. Use extinguishing media appropriate for surrounding fire.

Fire and/or Explosion Hazards: Material will not ignite or burn.

Fire Fighting Methods and Protection: Difficult to ignite, no special instructions available. Use methods appropriate for surrounding materials.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Flash Point: No data. Material is water-based and will not flash.

Firepoint: Firepoint calculated >212F (100C)

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VIII of this MSDS.

VII. HANDLING AND STORAGE

Product Use: Lithographic Fountain Concentrate

Handling Precautions: No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling.

Storage Conditions: Store in a tightly closed container.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: General room ventilation might be required to maintain operator comfort under normal conditions of use.

Respiratory Protection: No respiratory protection required under normal conditions of use.

Eye Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin Protection: Wear protective gloves. Inspect gloves at regular intervals and replace as necessary. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Wear impervious material. Butyl rubber or Nitrile

Exposure Guidelines:

| CAS# | Chemical Name | OSHA Exposure Limits | ACGIH TLV - TWA | ACGIH STEL | IDLH |
|------------|----------------------|----------------------|-----------------|------------|-------------|
| 25265-71-8 | Dipropylene glycol | | No TLV | No STEL | Not on list |
| 25322-69-4 | Polypropylene glycol | | No TLV | No STEL | Not on list |

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m3).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m3.

IX. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|----------------|
| Physical State: | Liquid |
| Color: | Pink |
| Odor: | Mild |
| Solubility in Water: | Complete; 100% |
| Volatile Organic Chemicals % by wt: | 17.55 |
| VOC lb/gal | 1.51 |
| Specific Gravity: | 1.03 |
| Bulk Density (lbs/Gal): | 8.58 |
| Bulk Density (kg/L): | 1.03 |

X. STABILITY AND REACTIVITY

| | |
|---|---------------------------------|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | None known. |
| Materials to Avoid/Chemical Incompatibility: | Strong oxidizing agents. |

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data (NIOSH):

| CAS# | Chemical Name | LD50/LC50 |
|------------|----------------------|---|
| 25265-71-8 | Dipropylene glycol | Oral LD50 Rat 13300 mg/kg; Dermal LD50 Rabbit 20600 mg/kg |
| 25322-69-4 | Polypropylene glycol | Oral LD50 Rat >2 g/kg |

XII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Spent or discarded material is not expected to be a hazardous waste.

Disposal Methods: Dispose in accordance with Federal, State, Provincial and Local regulations. Material may be compatible with industrial waste incineration or inclusion in a fuel blending program. This characterization is subject to approval by your waste management contractor. This material should be recycled if possible.

XIII. REGULATORY INFORMATION

TSCA Status All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

| Chemical Name | CAS # | Regulation | Percentage |
|----------------------|--------------|-------------------|-------------------|
| Not on list | | CERCLA | |
| Not on list | | NPRI (Cdn) | |
| Not on list | | PROP 65 | |
| Not on list | | SARA 313 | |
| Not on list | | SARA EHS | |

The following items require export notification for TSCA

| Chemical Name | TSCA 12b list section |
|----------------------|------------------------------|
| Not on list | |

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains information required by the Controlled Products Regulations.

XIV. TRANSPORTATION INFORMATION

| | |
|--------------------------|---------------|
| 49CFR/TDG - Bulk: | NOT REGULATED |
| IATA - Bulk: | NOT REGULATED |
| IMDG - Bulk: | NOT REGULATED |

XV. ADDITIONAL INFORMATION

References:

Disclaimer: Varn International, Inc. a Flint Group Company has prepared this Material Safety Data Sheet ("MSDS") in compliance with 29 CFR 1910.1200, understands that its customers may use this MSDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this MSDS shall not constitute a warranty with respect thereto.