

# Varn International, Inc., a Flint Group Company

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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:** SUPREME FOUNT 7086  
**Product Code:** 650-B013049  
**MSDS Code:** MSD-00940022  
**Revision Number:** 1  
**Revision Date:** 2011-03-03 16:32:03

### II. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
111-76-2	Ethylene glycol mono-n-butyl ether	10 - 30
57-55-6	1,2-Propanediol	5 - 10
56-81-5	Glycerine	1 - 5

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:** 2                      **Flammability:** 0                      **Reactivity:** 0  
**HMIS Flammability based upon firepoint exemption.**

**This product falls under the following WHMIS class:**

D2B

**Routes of Entry:** Inhalation, Ingestion, Skin contact, Eye contact  
**Target Organs:** Kidneys, Liver, Skin, Blood, Eyes, Skin, Eyes, Kidneys, Respiratory Tract  
**Medical Conditions Aggravated:** Kidney disease, Liver disease, Skin disease including eczema and sensitization, Eye disease, Respiratory disease including asthma and bronchitis

#### Immediate (Acute) Health Effects by Route of Exposure

**Inhalation:** Can cause minor respiratory irritation.  
**Skin Contact:** Can cause minor skin irritation, defatting, and dermatitis.  
**Eye Contact:** Can cause moderate/severe irritation, tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.  
**Ingestion:** Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

#### 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. No information available.

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**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, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:** Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**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

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**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:** Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye as advised by your physician.

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

**Ingestion:** Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

#### V. FIRE FIGHTING MEASURES

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**Flammability Summary:** Not combustible

**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

**Fire and/or Explosion Hazards:** Material will not ignite or burn. This product is an aqueous mixture that will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard.

**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

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**Personal Precautions and Equipment:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

## VII. HANDLING AND STORAGE

<b>Product Use:</b>	Lithographic Fountain Concentrate
<b>Handling</b>	Harmful or irritating material. Avoid contacting and avoid breathing the material.
<b>Precautions:</b>	Use only in a well ventilated area. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area.
<b>Storage Conditions:</b>	Keep container closed when not in use. Keep from freezing.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** No engineering controls are likely to 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
111-76-2	Ethylene glycol mono-n-butyl ether	50 ppm TWA; 240 mg/m <sup>3</sup> TWA prevent or reduce skin absorption	20 ppm TWA	No STEL	700 ppm IDLH
57-55-6 56-81-5	1,2-Propanediol Glycerine	TOTAL DUST: 15 MG/M <sup>3</sup> TWA; RESPIRABLE FRACTION: 5 MG/M <sup>3</sup> TWA	No TLV 10 MG/M <sup>3</sup> TWA (TOTAL DUST/PARTICULATE)	No STEL No STEL	Not on list Not on list

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m<sup>3</sup>).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m<sup>3</sup>.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Green
<b>Odor:</b>	Mild
<b>Solubility in Water:</b>	Complete; 100%
<b>Volatile Organic Chemicals % by wt:</b>	22.02
<b>VOC lb/gal</b>	1.94
<b>Specific Gravity:</b>	1.06
<b>Bulk Density (lbs/Gal):</b>	8.83
<b>Bulk Density (kg/L):</b>	1.06

## X. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Materials to Avoid/Chemical Incompatibility:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Carbon monoxide

## XI. TOXICOLOGICAL INFORMATION

### Component Toxicology Data (NIOSH):

CAS#	Chemical Name	LD50/LC50
111-76-2	Ethylene glycol mono-n-butyl ether	Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg
57-55-6	1,2-Propanediol	Oral LD50 Rat 20000 mg/kg; Dermal LD50 Rabbit 20800 mg/kg
56-81-5	Glycerine	ORAL LD50 RAT: 12600 MG/KG; INHALATION LC50 RAT: >570 MG/M3/1H; ORAL LD50

## XII. DISPOSAL CONSIDERATIONS

<b>Waste Description for Spent Product:</b>	Spent or discarded material is not expected to be a hazardous waste.
<b>Disposal Methods:</b>	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

<b>TSCA Status</b>	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
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Chemical Name	CAS #	Regulation	Percentage
Trisodium phosphate	7601-54-9	CERCLA	0.25
2-Butoxyethanol	111-76-2	NPRI (Cdn)	13.97
Not on list		PROP 65	
Glycol Ethers N-230	111-76-2	SARA 313	13.97
Magnesium nitrate (Nitrate Compound)	10377-60-3	SARA 313	4.92
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

<b>49CFR/TDG - Bulk:</b>	NOT REGULATED
<b>IATA - Bulk:</b>	NOT REGULATED

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IMDG - Bulk:

NOT REGULATED

## **XV. ADDITIONAL INFORMATION**

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### **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.