

# SAFETY DATA SHEET

FREEZER CLEANER NO. 342

Product ID: FP0342

Revised: 04-07-2016

Replaces: None

## 1. IDENTIFICATION

**Product Identifier:** FREEZER CLEANER NO. 342  
**Other Identifiers:** R27043A  
**CAS Number:** MIXTURE  
**Recommended Use:** No data available.  
**Restrictions on Use:** No data available.

Hydrite Chemical Co.  
17385 Golf Parkway  
Brookfield, WI 53045  
(262) 792-1450

**EMERGENCY RESPONSE NUMBERS:**  
24 Hour Emergency #: (414) 277-1311  
CHEMTREC Emergency #: (800) 424-9300

## 2. HAZARD(S) IDENTIFICATION

**GHS Classification(s):** Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Eye Irritation Category 2A  
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3  
Flammable Liquid Category 4

**GHS Label Elements:**

**GHS Hazard Symbols:**



**Signal Word:** Warning  
**Hazard Statements:** Combustible Liquid.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.

**Precautionary Statements:**

**Prevention:** Keep away from heat, sparks, open flames and hot surfaces. – No smoking.  
Avoid breathing dust, gas, mist, vapors or spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF ON SKIN: Wash with plenty of water  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER or doctor if you feel unwell.  
Specific treatment (see First Aid on SDS or on this label).  
If skin irritation occurs: Get medical advice or attention.  
If eye irritation persists: Get medical advice or attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use dry chemical, carbon dioxide, water spray, foam, alcohol foam to

extinguish.

**Storage:** Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store in a secure manner.

**Disposal:** Dispose of in accordance with local, regional and international regulations.

**Hazards Not Otherwise Classified:** None known.

**Percentage of Components with Unknown Acute Toxicity:**  
**Dermal:** 62.5 %  
**Inhalation Vapor:** 60.5 %  
**Inhalation Dust/Mist:** 60.5 %

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances/Mixtures:**

<b>Chemical or Common Name/Synonyms</b>	<b>CAS Number</b>	<b>% by Wt.</b>
Dipropylene Glycol Monomethyl Ether	34590-94-8	< 40 %
1-Methoxy-2-Propanol	107-98-2	< 40 %
Monoethanolamine	141-43-5	< 5 %

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

**4. FIRST-AID MEASURES**

**Description of Necessary Measures:**

**Eye Contact:** If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lens if easy to do. In case of irritation from airborne exposure, move to fresh air. Get medical attention, if symptoms persist.

**Skin Contact:** If on skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned. Wash with soap and water. Discard contaminated leather articles such as shoes and belt.

**Inhalation:** If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY. Keep warm and quiet.

**Ingestion:** If swallowed: If fully conscious, drink a quart of water. DO NOT induce vomiting. CALL A PHYSICIAN IMMEDIATELY. If unconscious or in convulsions, take immediately to a hospital or a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Give several glasses of water to drink to dilute.

**Most Important Symptoms/Effects, Acute and Delayed:**

**Eye Contact:** Causes mild to severe irritation. Vapors may cause: irritation. May cause: redness. pain.

**Skin Contact:** Causes mild to severe irritation. Contact may cause: redness. pain. Repeated exposure may cause: persistent irritation or dermatitis.

**Skin Absorption:** May be harmful if absorbed through skin. Prolonged or repeated exposure may cause: central nervous system effects. weight loss. Absorption may cause: systemic effects.

**Inhalation:** Causes moderate irritation. High vapor concentrations may irritate the: upper respiratory tract. Inhalation overexposure may lead to central nervous system depression producing effects such as: anesthetic effects. narcotic effects. drowsiness. dizziness. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material. Prolonged or repeated overexposure may cause: lung damage.

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**Ingestion:** May cause mild to severe irritation. Large amounts may cause: hepatic and renal injury. central nervous system depression. May cause: gastrointestinal irritation. nausea. vomiting. diarrhea. May cause effects similar to inhalation.

**Indication of Immediate Medical Attention and Special Treatment Needed:** Maintain adequate ventilation and oxygenation of the patient. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Dry chemical. Carbon dioxide. Water spray. Foam. Alcohol resistant foam. DO NOT USE: Direct water stream. Water may be ineffective but should be used to cool fire-exposed structures and vessels.

**Specific Hazards Arising from the Chemical:**

**Fire and Explosion Hazards:** COMBUSTIBLE LIQUID. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). Above the flash point, explosive vapor-air mixtures may be formed. May form peroxides of unknown stability. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Container may rupture from gas generation in a fire situation. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

**Hazardous Combustion Products:** Carbon oxides. Ammonia. Nitrogen oxides. Aldehydes. Ketones.

**Special Protective Equipment and Precautions for Fire-Fighters:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Violent steam generation or eruption may occur upon application of direct water stream. Move containers from fire area if possible without hazard.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, Emergency Procedures:** COMBUSTIBLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

**Methods and Materials for Containment and Clean Up:** If a leak or spill has not ignited, use water spray to disperse the vapors. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. If available, use foam to smother or suppress. Use non-sparking tools and equipment. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. DO NOT use sawdust or other cellulose-type material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust, or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Do not handle near an open flame, heat, or other sources of ignition. Use non-sparking tools and equipment. Electrically bond and ground all containers and equipment before transfer or use of material. Never use air pressure for transferring product. Distill with caution. Keep away from incompatibles.

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**Conditions for Safe Storage, Including any Incompatibilities:** COMBUSTIBLE LIQUID. Store in a cool, well ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. May form peroxides of unknown stability. Minimize exposure to air. Do not store in: Aluminum. Copper. Galvanized iron. Galvanized steel. If peroxide formation is suspected, do not open or move container. Addition of water or appropriate reducing materials will lessen peroxide formation. Do not distill to near dryness. Store away from light. Outside or detached storage is preferred.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**OSHA Exposure Guidelines:**

<b>Component</b>	<b>Limits</b>
Dipropylene Glycol Monomethyl Ether	100 ppm TWA; 600 mg/m <sup>3</sup> TWA; (Skin)
Monoethanolamine	3 ppm TWA; 6 mg/m <sup>3</sup> TWA

**ACGIH Exposure Guidelines:**

<b>Component</b>	<b>Limits</b>
Dipropylene Glycol Monomethyl Ether	100 ppm TWA; 150 ppm STEL; (Skin)
1-Methoxy-2-Propanol	50 ppm TWA; 100 ppm STEL
Monoethanolamine	3 ppm TWA; 6 ppm STEL

**Engineering Controls:** General room ventilation and local exhaust are required. Use explosion-proof ventilation equipment. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

**Individual Protection Measures:**

**Eye/Face Protection:** Wear chemical safety goggles and a full face shield while handling this product. Do not wear contact lenses. Wear a full-face respirator, if needed.

**Skin Protection:** Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious.

**Respiratory Protection:** Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved organic respirator. NIOSH-Approved full-facepiece positive-pressure, air-supplied respirator. NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Other Protective Equipment:** Eye-wash station. Safety shower. Rubber apron. Chemical safety shoes. Rubber boots. Protective clothing.

**General Hygiene Conditions:** Wash with soap and water before meal times and at the end of each work shift. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid.

**Color:** Pink.

**Odor:** Glycol ether odor.

**Odor Threshold:** N.D.

**pH:** 10.9 (as is)

**Freezing Point (deg. F):** -38 Deg. F

**Melting Point (deg. F):** N.D.

**Initial Boiling Point or Boiling Range:** > 248 °F

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**Flash Point:** 141 °F  
**Flash Point Method:** N.A.  
**Evaporation Rate (nBuAc = 1):** N.D.  
**Flammability (solid, gas):** N.D.  
**Lower Explosion Limit:** N.A.  
**Upper Explosion Limit:** N.A.  
**Vapor Pressure (mm Hg):** N.D.  
**Vapor Density (air=1):** N.D.  
**Specific Gravity or Relative Density:** 0.9880 @ 25 Deg. F  
**Solubility in Water:** Soluble  
**Partition Coefficient (n-octanol/water):** N.D.  
**Autoignition Temperature:** No Data  
**Decomposition Temperature:** N.D.  
**Viscosity:** N.D.  
**% Volatile (wt%):** N.D.  
**VOC (wt%):** N.D.  
**VOC (lbs/gal):** N.D.  
**Fire Point:** N.D.

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur under normal conditions.

**Conditions to Avoid:** Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Peroxides may form on prolonged storage in contact with air. Do not distill to near dryness. Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizing agents. Aluminum. Copper. This substance acts as a solvent with many resins, plastics and rubbers. Acids. Copper or copper alloys. Galvanized metals. Zinc. Halogenated organics. Halogenated hydrocarbons.

**Hazardous Decomposition Products:** Carbon oxides. Low molecular weight hydrocarbons. Aldehydes. Ketones. Organic acids. Ammonia. Nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure:** Eyes. Skin. Inhalation. Ingestion. Absorption.

**Symptoms/Effects: Acute, Delayed and Chronic:**

**Eye Contact:** Causes mild to severe irritation. Vapors may cause: irritation. May cause: redness. pain.

**Skin Contact:** Causes mild to severe irritation. Contact may cause: redness. pain. Repeated exposure may cause: persistent irritation or dermatitis.

**Skin Absorption:** May be harmful if absorbed through skin. Prolonged or repeated exposure may cause: central nervous system effects. weight loss. Absorption may cause: systemic effects.

**Inhalation:** Causes moderate irritation. High vapor concentrations may irritate the: upper respiratory tract. Inhalation overexposure may lead to central nervous system depression producing effects such as: anesthetic effects. narcotic effects. drowsiness. dizziness. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material. Prolonged or repeated overexposure may cause: lung damage.

**Ingestion:** May cause mild to severe irritation. Large amounts may cause: hepatic and renal injury. central nervous system depression. May cause: gastrointestinal irritation. nausea. vomiting. diarrhea. May cause effects similar to inhalation.

**Numerical Measures of Toxicity:**

<u>Component</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Dipropylene Glycol	Rat: 5400 µL/kg	No Data	No Data
Monomethyl Ether			
1-Methoxy-2-Propanol	Rat: 5000 mg/kg	No Data	No Data
Monoethanolamine	Rat: 1720 mg/kg	No Data	No Data

**Acute Toxicity Estimate (ATE):**

**Oral:** 25050 mg/kg  
**Inhalation Vapor:** 217.6577 mg/L  
**Inhalation Dust/Mist:** 29.6806 mg/L

**Cancer Information:**

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

**Medical Conditions Aggravated by Exposure to Product:** Dermatitis. Respiratory system disorders. Liver disorders. Kidney disorders.

**Other:** Prolonged or repeated exposure of high levels via inhalation and ingestion may affect the liver. Repeated Dose Toxicity: Symptoms of excessive exposure may be anesthetic or narcotic effects; dizziness and drowsiness may be observed. May cause kidney and liver damage. This product contains one or more amines, which may produce temporary and reversible hazy or blurred vision. Symptoms disappear when exposure is terminated.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** No data available.

**Chemical Fate Information:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Hazardous Waste Number:** N.A.

**Disposal Method:** Dispose of in accordance with all local, state and federal regulations. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION**

**DOT (Department of Transportation):**

**Identification Number:** NA1993  
**Proper Shipping Name:** COMBUSTIBLE LIQUID, N.O.S. (CONTAINS DIPROPYLENE GLYCOL METHYL ETHER, 1-METHOXY-2-PROPANOL)  
**Hazard Class:** COMBUSTIBLE LIQUID  
**Packing Group:** III

**Note:** In containers of 119 gallons capacity or less this product is not regulated by the DOT.

**15. REGULATORY INFORMATION**

**TSCA Inventory Status:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**SARA Title III Section 311/312 Category Hazards:**

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>	<u>Reactive</u>
Yes	Yes	Yes	No	No

<u>Regulated Components:</u>	<u>CAS</u>	<u>CERCLA</u>	<u>SARA</u>	<u>SARA</u>	<u>U.S.</u>	<u>WI</u>	<u>Prop</u>
<u>Component</u>	<u>Number</u>	<u>RQ</u>	<u>EHS</u>	<u>313</u>	<u>HAP</u>	<u>HAP</u>	<u>65</u>

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Dipropylene Glycol Monomethyl Ether	34590-94-8	No	No	No	No	No	No
1-Methoxy-2-Propanol	107-98-2	No	No	No	No	Yes	No
Monoethanolamine	141-43-5	No	No	No	No	Yes	No

**\*Prop 65 - May Contain the Following Trace Components:**

This product may contain a detectable level of (a) chemical(s) subject to California proposition 65.

**16. OTHER INFORMATION****Hazard Rating System**

Health: 2\*

Flammability: 2

Reactivity: 0

\* = Chronic Health Hazard

**NFPA Rating System**

Health: 2

Flammability: 2

Reactivity: 0

Special Hazard: None

**SDS Abbreviations**

N.A. = Not Applicable

N.D. = Not Determined

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

C = Ceiling Limit

N.E./Not Estab. = Not Established

SDS Prepared by: CSH

Reason for Revision: New product.

Revised: 04-07-2016

Replaces: None

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.