



CrystalGel

MSDS No.:7400

MSDS Reviewed Date: January 8, 2010

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## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : **CrystalGel**

**Product Use** : Acrylic latex

**Chemical Family** : Mixture.

**Supplier's name and address:**

**Rosco Laboratories Inc.**

52 Harbor View Avenue  
 Stamford, CT, United States  
 06902

**24 Hr. Emergency Tel #** : (800) 424-9300

**HMIS Rating** : \* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

*Health:* 1      *Flammability:* 1      *Reactivity:* 0

**WHMIS Classes:**



TOXIC

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethyl Hydroxyethyl Cellulose	9004-58-4	7.00 - 13.00	N/Av	N/Av	N/Av	N/Av
Cellulose, ethyl 2-hydroxyethyl ether	9004-58-4	1.00 - 5.00	N/Av	N/Av	N/Av	N/Av
Texanol	25265-77-4	1.00 - 5.00	N/Av	N/Av	N/Av	N/Av
Formaldehyde	50-00-0	0.00 - 0.00	N/Av	N/Av	0.75 ppm	2 ppm (see 29 CFR 1910.1048)

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Milky, white liquid. Slight sweet odor. May cause mild eye irritation. May cause mild skin irritation on prolonged contact. This product may also contain trace amounts of: formaldehyde.

#### \*\*\*POTENTIAL HEALTH EFFECTS\*\*\*

**Target organs** : None reported by the manufacturer.

**Routes of exposure** : *Inhalation:* YES    *Skin Absorption:* YES    *Skin & Eyes:* YES    *Ingestion:* YES

**Potential acute health effects** :

*Eyes:* May cause mild eye irritation. Vapors may irritate eyes.

*Skin:* May cause mild transient irritation.

*Inhalation:* Inhalation of vapors in high concentration may cause irritation of respiratory system.

*Ingestion:* May be harmful if swallowed. May cause abdominal discomfort, nausea or diarrhea. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.



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**Potential chronic health effects**

: Prolonged skin contact may defat the skin and produce dermatitis. May cause sensitization by inhalation and skin contact.

**Medical conditions aggravated by overexposure**

: None expected, when used as intended.

**Additional health hazards**

: None reported by the manufacturer.

**Potential environmental effects**

: None reported by the manufacturer.

**SECTION 4 - FIRST AID MEASURES**

**Inhalation** : If inhaled, move to fresh air. If irritation or symptoms develop, seek medical attention.

**Skin contact** : In case of contact with skin, wash with mild soap and plenty of water. If irritation occurs or persists, seek medical attention.

**Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation occurs or persists, seek medical attention.

**Ingestion** : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Have victim drink one to two glasses of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.

**Notes For Physician** : Treat symptomatically.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Fire hazards/conditions of flammability**

: Not flammable under normal conditions of handling. This product will not burn, due to its water content. Will burn if dried and heated with a flame.

**Flammability classification (OSHA 29 CFR 1910.1200)**

: OSHA Combustible Liquid IIIB.

**Flash point** : Greater than 149°C

**Flash point Method** : Not available.

**Auto-ignition temperature** : Not available.

**Lower flammable limit (% by vol.)**

: Not available.

**Upper flammable limit (% by vol.)**

: Not available.

**Suitable extinguishing media**

: Dry chemical, alcohol foam, carbon dioxide, or water spray.  
Halons.

**Explosion data: Sensitivity to mechanical impact / static discharge**

: Not expected to be sensitive to mechanical impact or static discharge.

**Special fire-fighting procedures/equipment**

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

**Hazardous combustion products**

: Oxides of carbon, toxic fumes, various hydrocarbons, aldehydes.

**Oxidizing properties**

: None reported by the manufacturer.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Wear chemically resistant personal protective equipment during cleanup. Spilled material may be slippery.

**Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.

**Spill response/cleanup** : Eliminate all ignition sources if safe to do so. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

**Containment** : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.



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### SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Do not breathe vapors or spray mist. Avoid contact with eyes, skin and clothing. Avoid breathing of dust created by cutting, sanding, or grinding. Wash hands thoroughly after handling. Wash contaminated clothing before re-use. Use only in well-ventilated areas.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Empty product containers may contain hazardous product residue.
- Incompatible materials** : Avoid contact with strong alkalis, strong mineral acids or strong oxidizing agents.
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures** : Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).
- Respiratory protection** : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.
- Skin protection** : Wear impervious gloves, such as neoprene or nitrile rubber.
- Eye / face protection** : Tightly fitting safety goggles
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- |  |                              |   |                               |
|--|------------------------------|---|-------------------------------|
| <b>Physical state</b>                                    | : Liquid.                    | <b>Appearance</b>                             | : Milky, white liquid.        |
| <b>Odor</b>  | : Slight sweet odor.         | <b>Odor threshold</b>                         | : Not available.              |
| <b>pH</b>  | : Not available.             |   |                               |
| <b>Boiling point</b>                                     | : 100 °C                     | <b>Specific gravity</b>                       | : 0.93                        |
| <b>Melting/Freezing point</b>                            | : Freezing point: -2 to 0 °C | <b>Coefficient of water/oil distribution</b>  | : Not available.              |
| <b>Vapor pressure (mmHg @ 20° C / 68° F)</b>             | : Not available.             | <b>Solubility in water</b>                    | : Not available.              |
| <b>Vapor density (Air = 1)</b>                           | : Heavier than air.          | <b>Evaporation rate (n-Butyl acetate = 1)</b> | : Slower than n-butyl acetate |
| <b>Volatile organic Compounds (VOC's) (lbs/gal; g/l)</b> | : < 140 g/l                  | <b>Volatiles (% by weight)</b>                | : Not available.              |
| <b>Viscosity</b>   | : Not available.             |   |                               |
- Special Remarks On Fire Hazards** : Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

### SECTION 10 - REACTIVITY AND STABILITY DATA

- Stability and reactivity** : Stable under normal conditions.
- Hazardous polymerization** : Will not occur.

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**Conditions to avoid** : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid exposure to strong oxidizers, such as hydrogen peroxide, nitric acid and sulfuric acid. Do not freeze.

**Materials To Avoid And Incompatibility**

: See Section 7 (Handling and Storage) section for further details.

**Hazardous decomposition products**

: See hazardous combustion products.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Ingredients</b>	<b>LC<sub>50</sub>(4hr)</b> <b>inh, rat</b>	<b>LD<sub>50</sub></b>	
		<b>oral</b>	<b>dermal</b>
Ethyl Hydroxyethyl Cellulose	N/Av	N/Av	N/Av
Cellulose, ethyl 2-hydroxyethyl ether	N/Av	N/Av	N/Av
Texanol	N/Av	3200 mg/kg	15200 mg/kg
Formaldehyde	0.578 mg/L/4H	00 mg/kg	N/Av

**Toxicological data** : Low order of toxicity for normal industrial handling.  
**Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.  
**Reproductive effects** : Not expected to have other reproductive effects.  
**Teratogenicity** : Not expected to be a teratogen.  
**Mutagenicity** : Not expected to be mutagenic in humans.  
**Reproductive Effects** : Not expected to have other reproductive effects.  
**Irritancy** : Irritating to eyes, respiratory system and skin.  
**Sensitization to material** : May produce an allergic reaction.  
**Synergistic materials** : None reported by the manufacturer.


**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental effects** : Avoid release to the environment. Contains petroleum solvents.  
**Important environmental characteristics** : Bioaccumulation is unlikely.  
**Ecotoxicological** : No data is available on the product itself.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.  
**Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**SECTION 14 - TRANSPORTATION INFORMATION**

<b>Regulatory Information</b>	<b>UN Number</b>	<b>Shipping Name</b>	<b>Class</b>	<b>Packing Group</b>	<b>Label</b>
TDG	none	Not regulated.	Not regulated	none	
<b>TDG Additional information</b>	None.				



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49CFR/DOT	None	Not regulated.	Not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				
ICAO/IATA	None	Not regulated.	Not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				
IMDG	None	Not regulated.	Not regulated	none	
<b>IMDG Additional information</b>	None.				

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

TSCA: Toxic Substance Control Act: All ingredients are listed on the TSCA Inventory, or are exempted materials.

SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

**US State Right to Know Laws:**

This product contains a chemical known to the State of California to cause cancer. This product contains formaldehyde.

**Canadian Regulations:**

Canadian Environmental Protection Act (CEPA): All ingredients are listed on the DSL, or are exempted materials.

Canadian WHMIS Classification: D2B.

***This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.***

**SECTION 16 - OTHER INFORMATION**

**Legend**

- : ACGIH: American Conference of Governmental Industrial Hygienists
- IARC: International Agency for Research on Cancer
- N/Ap: not applicable
- N/Av: not available
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration

**References**

- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.





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