

Date Prepared: 01/22/10  
Supersedes: 11/11/02  
Product Name: Polytops CR Grout, Part B

# ChemMasters

## Material Safety Data Sheet

### 1. Chemical Product and Company Information

**Product Name:** Polytops CR Grout, Part B

**Product Description:** Hardener/Catalyst for Polytops CR Grout

**ChemMasters**  
300 Edwards Street  
Madison, Ohio 44057  
440-428-2105

In Case of Emergency Contact:  
CHEMTREC 800/424-9300

### 2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA	ACGIH	OTHER	
Cumyl Hydroperoxide	80-15-9	50 ppm (skin)	50 ppm (skin)	–	90

### 3. Hazards Identification

#### WARNING!

**Combustible - Flash Point 140°F**

**Causes severe eye and skin irritation**

**Causes respiratory tract irritation**

#### Potential Health Hazards - Acute

**Eye:** Direct contact causes severe irritation.

**Skin:** Direct contact may cause severe skin irritation.

**Inhalation:** May cause CNS effects and irritation.

**Ingestion:** No data available

#### Potential Health Effects - Chronic:

**Carcinogenicity:**

**NTP**  
NO

**IARC Monographs**  
NO

**OSHA Regulated**  
NO

### 4. First Aid Measures

**Eye:** Immediately flush with plenty of clean water for at least 15 minutes. Seek medical attention.

**Skin:** Remove contaminated clothing. Clean affected area(s) thoroughly with soap and water.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention

**Ingestion:** Seek medical attention! Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

**SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.**

### 5. Fire Fighting Measures

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**Flash Point** (method used): 140°F (TCC)

**Flammable Limits** (% volume in air): Lower = ND Upper =ND

**Auto Ignition Temperature:** Not data available

**Extinguishing Media:** Extinguish with water fog, dry chemical, CO2 or foam.

**Hazard Combustion Products:** Hazardous conditions will result through contamination with incompatibles or exposure to excessive temperatures. Product can decompose with force if confined during exposure to fire.

**Fire Fighting Instructions:** Do not enter confined fire space without full bunker gear including a positive pressure, NIOSH approved, self-contained breathing apparatus. Cool containers exposed to fire with water.

## 6. Accidental Release Measures

**Spill:** Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Avoid personal contact. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Take up with absorbent material, place into non-leak containers and seal tightly for proper disposal.

## 7. Handling and Storage

**Handling:** Avoid inhalation of vapors and personal contact with product. Static electricity may create a fire hazard. Always ground equipment and transfer containers. Keep liquid away from heat, sparks and flame. Use with adequate ventilation. "Empty" containers can contain explosive vapors. Keep away from sources of ignition and excessive heat.

**Storage:** Store containers tightly closed with adequate ventilation in a cool, dry area.

## 8. Exposure Controls / Personal Protection

**Exposure Controls:** Mechanical and local exhaust should be used for indoor use.

**Personal Protection:** NIOSH approved organic solvent respirator, impervious gloves, chemical splash goggles and protective clothing to minimize skin contact.

## 9. Physical and Chemical Properties

**Appearance:** Clear yellow liquid

**Odor:** Sharp Aromatic

**Boiling Point:** 305°F

**Melting Point:** Not applicable

**Vapor Pressure** (mm/Hg): No data available

**Vapor Density** (Air = 1): >1

**Solubility in Water:** 100%

**Specific Gravity** (H2O = 1): 1.03

**Evaporation Rate** (n-Butyl Acetate = 1): <1

## 10. Stability and Reactivity

**Chemical Stability:** Unstable

**Conditions to Avoid:** Heat, flame, contaminants.

**Incompatibility** (materials to avoid): alkalis, oxidizers. Transition metal salts. Reducing Agents.

**Hazardous Decomposition or By-products:** Decomposition products are flammable. Methane, Ethane, Ethylene, Acetone, Phenol.

**Hazardous Polymerization:** Will not occur under normal conditions.

## 11. Toxicological Information

Components

Oral LD50

Dermal LD50

Inhalation LC50



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### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg / m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

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 INDUSTRIAL AND COMMERCIAL APPLICATION ONLY**

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