

## POLARCOTE FR WHITE 5 US GAL

Version 3.  
REVISION DATE: 08/27/2010

Print Date 08/28/2010

### SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION

#### Product Information

Trade name : POLARCOTE FR WHITE 5 US GAL  
Product code : 346102 805

Supplier : Tremco Canada division  
220 Wicksteed Avenue  
Toronto, ON M4H 1G7

Telephone : (416) 421-3300  
Emergency Phone: : (613) 996-6666

Product use : Coating

#### Preparation Information

Prepared by: : Sewnauth Raghunandan  
Date: : 08/27/2010  
Telephone : (416) 421-3300

### SECTION 2 - HAZARDS IDENTIFICATION

#### Emergency Overview

White. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

#### Acute Potential Health Effects/ Routes of Entry

Inhalation : No serious effects anticipated under normal conditions of use.  
Eyes : Direct contact may cause mild irritation.  
Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
Skin : May cause mild irritation.

#### Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

#### Chronic Health Effects

Prolonged or repeated exposure to butyl benzyl phthalate may cause reduced body weights and adverse effects on the liver, kidney, spleen, pancreas, and reproductive organs. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Long term overexposure to propylene glycol caused liver abnormalities, kidney damage in laboratory animals. Repeated excessive ingestion may cause central nervous system effects. Overexposure to sublimed zinc oxide may produce symptoms known as "zinc oxide chills" which have no recognized complications. Symptoms usually disappear within 24 hours. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

### SECTION 3 : HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Weight % Range
Zinc oxide	1314-13-2	3.0 - 7.0

**POLARCOTE FR WHITE 5 US GAL**

Version 3.

Print Date 08/28/2010

REVISION DATE: 08/27/2010

Titanium dioxide	13463-67-7	3.0 - 7.0
Propylene glycol	57-55-6	1.0 - 5.0
Butyl benzyl phthalate	85-68-7	1.0 - 5.0
Heavy paraffinic distillate	64741-88-4	0.1 - 1.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	0.1 - 1.0

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Get medical attention. Do not induce vomiting.
- Notes to physician : Not applicable.

**SECTION 5: FIRE / EXPLOSION HAZARDS**

- Flash point : Not available.
- Method : Not applicable.
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use.
- Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Smoke, fumes.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

**SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES**

Transfer to appropriate container for disposal. Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

**SECTION 7 - HANDLING AND STORAGE**

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

**POLARCOTE FR WHITE 5 US GAL**

Version 3.  
REVISION DATE: 08/27/2010

Print Date 08/28/2010

**SECTION 8 - PREVENTIVE MEASURES/EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal protection equipment**

- Respiratory protection : Not required under normal conditions of use. Wear appropriate, NIOSH/MSHA approved respirator with combination particulate filter and vapor/gas removing cartridge when the ventilation is not adequate or if it is necessary to abrade or grind surfaces coated with this product.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.
- Protective measures : Other equipment not normally required. Use professional judgment in the selection, care, and use.
- Engineering measures** : Not required under normal conditions of use. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Zinc oxide	1314-13-2	Ontario TWAEV: Ontario TWAEV: Ontario STEV: ACGIH TWA: ACGIH STEL: Ontario TWAEV: Ontario STEV:	10 mg/m3 5 mg/m3 10 mg/m3 2 mg/m3 10 mg/m3 2 mg/m3 10 mg/m3	Total dust. Fume. Fume. Respirable fraction. Respirable fraction. Respirable. Respirable.
Titanium dioxide	13463-67-7	Ontario TWAEV: ACGIH TWA:	10 mg/m3 10 mg/m3	Total dust.
Butyl benzyl phthalate	85-68-7			
Heavy paraffinic distillate	64741-88-4	Ontario TWAEV: Ontario TWAEV: Ontario STEV:	1,600 mg/m3 5 mg/m3 10 mg/m3	Mist. Mist.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	Ontario TWAEV: ACGIH TWA:	0.10 mg/m3 0.025 mg/m3	Respirable fraction. Respirable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Physical State : Liquid
- Form : Liquid
- Color : White
- Odor : Mild
- pH : Not available.

**POLARCOTE FR WHITE 5 US GAL**

Version 3.

Print Date 08/28/2010

REVISION DATE: 08/27/2010

Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: Not available.
Water solubility	: Soluble
Evaporation Rate:	: Not available.
Specific Gravity	: 1.478
% Volatile Weight	: 31 % 30 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid	: Strong acids.Strong bases.
Stability	: Stable
Hazardous polymerization	: Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Zinc oxide, CAS-No.: 1314-13-2 Acute oral toxicity (LD-50 oral)	7,950 mg/kg ( Mouse ) 7,950 mg/kg ( Mouse )
Propylene glycol, CAS-No.: 57-55-6 Acute oral toxicity (LD-50 oral)	30,000 mg/kg ( Rat ) 18,000 mg/kg ( Rabbit ) 19,000 mg/kg ( Dog ) 23,900 - 31,800 mg/kg ( Mouse ) 18,400 - 196,000 mg/kg ( Guinea pig )
Butyl benzyl phthalate, CAS-No.: 85-68-7 Acute oral toxicity (LD-50 oral)	13,500 mg/kg ( Rat )

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Disposal Method : Dispose as hazardous waste according to all local, state, federal and provincial regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED



**POLARCOTE FR WHITE 5 US GAL**

Version 3.  
REVISION DATE: 08/27/2010

Print Date 08/28/2010

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**Canadian Regulations:**

WHMIS Classification : D2A, D2B  
This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

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

**Other Regulations:**

Regulatory VOC (less water and exempt solvent) : 30 g/l

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Sewnauth Raghunandan**

**Legend**

- ACGIH - American Conference of Governmental Hygienists
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information System