

## ICE COATING 5 GL

Version 1.  
REVISION DATE: 08/12/2008

Print Date 08/27/2009

### SECTION 1 - PRODUCT IDENTIFICATION

Trade name : ICE COATING 5 GL  
 Product code : 34427000 805

COMPANY : Tremco Incorporated  
 3735 Green Road  
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST  
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST  
 After Hours: Chemtrec 1-800-424-9300

Product use : Coating

### 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

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 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	30.0 - 60.0
Polymer/Solids	NJ TSRN# 51721300-6045P	15.0 - 40.0
Fire retardant	NJ TSRN# 51721300-5035P	7.0 - 13.0
Inert Filler	NJ TSRN# 51721300-5376P	7.0 - 13.0
Titanium dioxide	13463-67-7	5.0 - 10.0
Vinyl acrylic copolymer	NJ TSRN# 51721300-5745P	5.0 - 10.0
Calcium carbonate	471-34-1	1.0 - 5.0
Propylene glycol	57-55-6	1.0 - 5.0
Zinc oxide	1314-13-2	1.0 - 5.0
Ammonium persulfate	7727-54-0	- <0.1
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <0.1

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Formaldehyde 50-00-0 - <0.1

### 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 FIGHTING MEASURES

- 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 - 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.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal protection equipment**

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- 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**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Regulation</b>	<b>Limit</b>	<b>Form</b>
Titanium dioxide	13463-67-7	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Total dust. Total dust. Respirable fraction.
Zinc oxide	1314-13-2	ACGIH TWA: ACGIH STEL: OSHA PEL: OSHA PEL: OSHA PEL: OSHA TWA: OSHA TWA:	2 mg/m3 10 mg/m3 5 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Respirable fraction. Fume. Respirable fraction. Total dust. Total dust. Respirable fraction.
Ammonium persulfate	7727-54-0	ACGIH TWA:	0.1 mg/m3	as persulfate
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Liquid
- Color : White
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.

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Freezing point	: Not available.
Boiling point/range	: Not available.
Water solubility	: Soluble
Specific Gravity	: 1.005
% Volatile Weight	: 38 %

**SECTION 10 - REACTIVITY / STABILITY**

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

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Calcium carbonate, CAS-No.: 471-34-1 Acute oral toxicity (LD-50 oral)	6,450 mg/kg ( Rat )
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 )
Zinc oxide, CAS-No.: 1314-13-2 Acute oral toxicity (LD-50 oral)	7,950 mg/kg ( Mouse ) 7,950 mg/kg ( Mouse )
Formaldehyde, CAS-No.: 50-00-0 Acute oral toxicity (LD-50 oral)	800 mg/kg ( Rat ) 260 mg/kg ( Guinea pig ) 100 mg/kg ( Rat ) 42 mg/kg ( Mouse )
Acute inhalation toxicity (LC-50)	0.82 mg/l for 30 min ( Rat ) 0.48 mg/l for 4 h ( Rat ) 0.414 mg/l for 4 h ( Mouse ) 0.4 mg/l for 2 h ( Mouse )

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

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

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**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.

**U.S. Federal Regulations:**

SARA 313 Components : Zinc oxide 1314-13-2

SARA 311/312 Hazards : Acute Health Hazard

## OSHA Hazardous Components :

Titanium dioxide	13463-67-7
Zinc oxide	1314-13-2
Ammonium persulfate	7727-54-0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Formaldehyde	50-00-0

 OSHA Status: Considered : Irritant  
 hazardous based on the  
 following criteria:

OSHA Flammability : Not Regulated

 Regulatory VOC (less water and  
 exempt solvent) : 39 g/l

VOC Method 310 : 2 %

**U.S. State Regulations:**

MASS RTK Components	:	Titanium dioxide	13463-67-7
		Calcium carbonate	471-34-1
		Zinc oxide	1314-13-2
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Formaldehyde	50-00-0

Penn RTK Components	:	Water	7732-18-5
		Polymer/Solids	NJ TSRN# 51721300-6045P
		Fire retardant	NJ TSRN# 51721300-5035P
		Inert Filler	NJ TSRN# 51721300-5376P
		Titanium dioxide	13463-67-7
		Vinyl acrylic copolymer	NJ TSRN# 51721300-5745P
		Calcium carbonate	471-34-1
		Propylene glycol	57-55-6
		Zinc oxide	1314-13-2
		Formaldehyde	50-00-0

NJ RTK Components	:	Water	7732-18-5
		Polymer/Solids	NJ TSRN# 51721300-6045P
		Fire retardant	NJ TSRN# 51721300-5035P
		Inert Filler	NJ TSRN# 51721300-5376P
		Titanium dioxide	13463-67-7



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WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

330-54-1	n-(3,4-dichlorophenyl)-n,n-dimethylurea
14808-60-7	Crystalline Silica (Quartz)/ Silica Sand
50-00-0	Formaldehyde
79-06-1	Acrylamide
123-91-1	p-Dioxane

**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: Rich Mikol**

**Legend**

- ACGIH - American Conference of Governmental Hygienists
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
- 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
- RTK - Right To Know
- SARA - Superfund Amendments and Reauthorization 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