

**AlphaGuard MT Top Coat Safety Yellow 5 gAlphaGuard MT Top Coat Safety Yellow 5 g**

Version 1.0

Print Date 06/25/2014

REVISION DATE: 07/02/2013

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : AlphaGuard MT Top Coat Safety Yellow 5 gAlphaGuard MT Top Coat Safety Yellow 5 g

Product code : 351619 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

RECEIVED KCOA  
14 JUN 30 AM 10 50**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Yellow. Liquid. May cause drowsiness, weakness, and fatigue. Vapor and/or mist may irritate nose and throat. May cause moderate irritation to the respiratory system. May cause allergic respiratory sensitization. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

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

Inhalation : May cause drowsiness, weakness, and fatigue. Vapor and/or mist may irritate nose and throat. May cause moderate irritation to the respiratory system. May cause allergic respiratory sensitization.

Eyes : Vapor and/or mist may cause eye irritation.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause sensitization resulting in irritation, itching and redness.

**Aggravated Medical Conditions**

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

**Chronic Health Effects**

Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Repeated overexposure to vapors and/or material may injure the liver, kidneys and respiratory system unless suitable engineering controls and/or personal protective equipment are used. 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.

**Target Organs:** Eye, Lung, Liver, Kidney, Skin, Nerve

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Polyurethane Polymer	NJ TSN# 51721300-6365P	30.0 - 60.0



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Aliphatic Amine	NJ TSRN# 51721300-5029P	10.0 - 30.0
Fire retardant	NJ TSRN# 51721300-5035P	7.0 - 13.0
Propylene carbonate	108-32-7	7.0 - 13.0
Calcium carbonate	471-34-1	7.0 - 13.0
Additive (non-hazardous)	NJ TSRN# 51721300-5878P	5.0 - 10.0
Polyvinyl chloride	9002-86-2	3.0 - 7.0
Diisodecyl phthalate	26761-40-0	1.0 - 5.0
Isophorone Diisocyanate	4098-71-9	1.0 - 5.0
Titanium dioxide	13463-67-7	1.0 - 5.0
Zinc oxide	1314-13-2	1.0 - 5.0
Calcium oxide	1305-78-8	1.0 - 5.0
Hydrotreated heavy naphthenic distillate	64742-52-5	0.1 - 1.0

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
- 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 : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : > 212 °F, > 100 °C
- Method : Setflash Closed Cup
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.
- Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Smoke, fumes. Hydrocyanic acid and nitrogen oxides can form.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : Closed container, may burst when exposed to extreme heat. This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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



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**SECTION 7 - HANDLING AND STORAGE**

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. Change soiled work clothes frequently. Clean hands thoroughly after handling. Store under normal warehouse conditions in sealed containers.

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

**Personal protection equipment**

- Respiratory protection : Use full engineering controls before relying on personal protective equipment. Wear appropriate, properly fitted air purifying respirator with combination particulate filter and vapor/gas removing cartridge when airborne contaminant level(s) exceed exposure limits indicated on the MSDS, or product is spray applied.
- Hand protection : Use suitable impervious nitrile or neoprene 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.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

Chemical Name	CAS Number	Regulation	Limit	Form
Fire retardant	NJ TSRN# 51721300-5035P	ACGIH TWA:	1 mg/m3	Respirable fraction.
Polyvinyl chloride	9002-86-2	ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA: OSHA TWA:	1 mg/m3 5 mg/m3 15 mg/m3 5 mg/m3 15 mg/m3	Respirable fraction. Respirable fraction. Total dust. Respirable fraction. Total dust.
Isophorone Diisocyanate	4098-71-9	ACGIH TWA:	0.005 ppm	
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.

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Chemical Name	CAS Number	Regulation	Limit	Form
Zinc oxide	1314-13-2	ACGIH TWA:	2 mg/m3	Respirable fraction.
		ACGIH STEL:	10 mg/m3	Respirable fraction.
		OSHA PEL:	5 mg/m3	Fume.
		OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Calcium oxide	1305-78-8	ACGIH TWA:	2 mg/m3	
		OSHA PEL:	5 mg/m3	
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Hydrotreated heavy naphthenic distillate	64742-52-5	OSHA PEL:	2,000 mg/m3	
		OSHA PEL:	5 mg/m3	Mist.
		ACGIH TWA:	5 mg/m3	Inhalable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Liquid
Color	: Yellow
Odor	: Aliphatic Solvent
pH	: Not available.
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	: Negligible
Specific Gravity	: 1.32
% Volatile Weight	: 10 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid	: Strong acids.Strong bases.Amines.Water or moisture.Alcohols.
Stability	: Material is stable under normal storage, handling, and use.
Hazardous polymerization	: Will not occur under normal conditions.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Aluminum hydroxide, CAS-No.: 21645-51-2	
Acute oral toxicity (LD-50 oral)	5,000 mg/kg ( Rat )



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Calcium carbonate, CAS-No.: 471-34-1

Acute oral toxicity (LD-50 oral) 6,450 mg/kg ( Rat )

Isophorone Diisocyanate, CAS-No.: 4098-71-9

Acute oral toxicity (LD-50 oral) 2,500 mg/kg ( Mouse ) 1,000 mg/kg ( Rat )

Acute inhalation toxicity (LC-50) 0.033 mg/l for 4 h ( Rat ) 0.123 mg/l for 4 h ( Rat )

Acute dermal toxicity (LD-50 dermal) 1,060 mg/kg ( Rat )

Zinc oxide, CAS-No.: 1314-13-2

Acute oral toxicity (LD-50 oral) 7,950 mg/kg ( Mouse ) 7,950 mg/kg ( Mouse )

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**CFR / DOT:**

Not Regulated

**TDG:**

Not Regulated

**IMDG:**

Not Regulated

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

One or more components are not listed on 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 : Isophorone Diisocyanate 4098-71-9  
Zinc oxide 1314-13-2



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SARA 311/312 Hazards : Acute Health Hazard  
Chronic Health Hazard

OSHA Hazardous Components :

Fire retardant	NJ TSRN# 51721300-5035P
Polyvinyl chloride	9002-86-2
Diisodecyl phthalate	26761-40-0
Isophorone Diisocyanate	4098-71-9
Titanium dioxide	13463-67-7
Zinc oxide	1314-13-2
Calcium oxide	1305-78-8
Hydrotreated heavy naphthenic distillate	64742-52-5

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

OSHA Flammability : III B

Regulatory VOC (less water and : 12 g/l  
exempt solvent)

VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:  
Hydrotreated heavy naphthenic distillate 64742-52-5

**U.S. State Regulations:**

MASS RTK Components : Calcium carbonate 471-34-1  
Isophorone Diisocyanate 4098-71-9  
Titanium dioxide 13463-67-7  
Zinc oxide 1314-13-2  
Calcium oxide 1305-78-8  
Propylene oxide 75-56-9  
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7  
Vinyl chloride 75-01-4  
Benzene 71-43-2  
Cadmium 7440-43-9

Penn RTK Components : Polyurethane Polymer NJ TSRN# 51721300-6365P  
Aliphatic Amine NJ TSRN# 51721300-5029P  
Fire retardant NJ TSRN# 51721300-5035P  
Propylene carbonate 108-32-7  
Calcium carbonate 471-34-1  
Additive (non-hazardous) NJ TSRN# 51721300-5878P  
Polyvinyl chloride 9002-86-2  
Diisodecyl phthalate 26761-40-0  
Isophorone Diisocyanate 4098-71-9  
Titanium dioxide 13463-67-7  
Zinc oxide 1314-13-2  
Calcium oxide 1305-78-8

NJ RTK Components : Polyurethane Polymer NJ TSRN# 51721300-6365P  
Aliphatic Amine NJ TSRN# 51721300-5029P  
Fire retardant NJ TSRN# 51721300-5035P



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Components under California Proposition 65:

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

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	1
Flammability	1
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