

ALPHAGUARD BIO TOPCOAT PART A 5 GL PAIL

Version 5.0
 REVISION DATE: 12/02/2014

Print Date 05/07/2015

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : ALPHAGUARD BIO TOPCOAT PART A 5 GL PAIL
 Product code : 351710A805
 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

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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 and repeated exposure to excessive airborne concentrations of talc can result in scarring of the lungs (pneumoconiosis) or the covering of the lungs (pleural thickening). 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 %
Low acid filtered neutral oil	8001-79-4	40.0 - 70.0
Titanium dioxide	13463-67-7	10.0 - 30.0
Talc	14807-96-6	10.0 - 30.0
Fire retardant	NJ TSRN# 51721300-5035P	7.0 - 13.0
Calcium carbonate	471-34-1	5.0 - 10.0
Aldimine	54914-37-3	3.0 - 7.0
Calcium oxide	1305-78-8	1.0 - 5.0
Zinc oxide	1314-13-2	1.0 - 5.0
Aluminum oxide	1344-28-1	0.1 - 1.0

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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 : 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 : 77 °C, 171 °F
- Method : Not available.
- Burning rate : Non-Flammable Liquid
- 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.

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SECTION 8 - 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

Chemical Name	CAS Number	Regulation	Limit	Form
Titanium dioxide	13463-67-7	ACGIH TWA: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Talc	14807-96-6	ACGIH TWA: OSHA TWA: OSHA TWA:	2 mg/m3 0.1 mg/m3 0.3 mg/m3	Respirable fraction. Respirable. Total dust.
Fire retardant	NJ TSRN# 51721300-5035P	ACGIH TWA:	1 mg/m3	Respirable fraction.
Calcium oxide	1305-78-8	ACGIH TWA: OSHA TWA: OSHA TWA:	2 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Zinc oxide	1314-13-2	ACGIH TWA: ACGIH STEL: OSHA TWA: OSHA TWA:	2 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Respirable fraction. Total dust. Respirable fraction.
Aluminum oxide	1344-28-1	ACGIH TWA: OSHA TWA: OSHA TWA: ACGIH TWA:	10 mg/m3 15 mg/m3 5 mg/m3 1 mg/m3	Total dust. Respirable fraction. Respirable fraction.
Hydrotreated heavy naphthenic distillate	64742-52-5	ACGIH TWA:	5 mg/m3	Inhalable fraction.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Color	: White
Odor	: Fruity
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	: Soluble
Specific Gravity	: 1.472
% Volatile Weight	: 0 %

SECTION 10 - REACTIVITY / STABILITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Titanium dioxide, CAS-No.: 13463-67-7	
Acute oral toxicity (LD-50 oral)	> 25,000 mg/kg (Rat) > 11,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 5,000 mg/kg (Rat) > 5,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	> 3.56 mg/l for 4 h (Rat) > 2.28 mg/l for 4 h (Rat) 3.43 mg/l for 4 h (Rat) 5.09 mg/l for 4 h (Rat) > 6.82 mg/l for 4 h (Rat)
Aluminum hydroxide, CAS-No.: 21645-51-2	
Acute oral toxicity (LD-50 oral)	5,000 mg/kg (Rat) > 15,900 mg/kg (Rat) > 2,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 10,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	0.888 mg/l for 4 h (Rat) 10 mg/m3 for 4 h (Rat) > 2.3 mg/l for 4 h (Rat) 7.6 mg/l for 1 h (Rat) > 0.888 mg/l for 4 h (Rat)
Calcium carbonate, CAS-No.: 471-34-1	
Acute oral toxicity (LD-50 oral)	6,450 mg/kg (Rat) 1,300 mg/kg (Mouse) > 2,000 mg/kg (Rat) > 2,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	> 3 mg/l for 4 h (Rat)
Acute dermal toxicity (LD-50 dermal)	> 2,000 mg/kg (Rat)
Calcium oxide, CAS-No.: 1305-78-8	

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Acute oral toxicity (LD-50 oral)	790 mg/kg (Rat) 250 mg/kg (Rabbit) 2,045 mg/kg (Mouse) 500 mg/kg (Rabbit) 180.6 - 361.1 mg/kg (Rabbit) 2,000 mg/kg (Rabbit) 1,000 mg/kg (Rabbit) 4,179 mg/kg (Rat) 500 - 1,000 mg/kg (Rabbit) 1,940 mg/kg (Mouse) 3,798 mg/kg (Rat) >= 7,340 mg/kg (Rat) >= 7,300 mg/kg (Mouse) > 2,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	40 mg/m3 for 4 h (Rat) 1,026 mg/m3 for 1 h (Rat) 160 mg/m3 for 4 h (Rat)
Acute dermal toxicity (LD-50 dermal)	> 2,500 mg/kg (Rabbit) > 5,000 mg/kg (Rabbit)
Zinc oxide, CAS-No.: 1314-13-2 Acute oral toxicity (LD-50 oral)	7,950 mg/kg (Mouse) 7,950 mg/kg (Mouse) 7,950 mg/kg (Mouse) > 2,000 - < 5,000 mg/kg (Mouse) > 5,000 mg/kg (Mouse) > 5,000 mg/kg (Rat) > 15,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	1 mg/m3 for 1 h (Guinea pig) 2.5 mg/m3 for 3 h (Guinea pig) > 5,700 mg/m3 (Rat) 5 mg/m3 for 2 h (Rabbit) 2,500 mg/m3 (Mouse) 2.5 mg/m3 for 3 h (Rat) 7.8 mg/m3 (Guinea pig)
Aluminum oxide, CAS-No.: 1344-28-1 Acute oral toxicity (LD-50 oral)	> 15,900 mg/kg (Rat) > 10,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 2,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	> 2.3 mg/l for 4 h (Rat) 0.888 mg/l for 4 h (Rat) > 0.888 mg/l for 4 h (Rat) 7.6 mg/l for 1 h (Rat) 10 mg/m3 for 4 h (Rat)
Hydrotreated heavy naphthenic distillate, CAS-No.: 64742-52-5 Acute oral toxicity (LD-50 oral)	5,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 5,000 mg/kg (Rat) > 5,000 mg/kg (Rat) > 5,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	> 3.9 mg/l for 4 h (Rat) > 5.3 mg/l for 4 h (Rat) > 5.2 mg/l for 4 h (Rat) > 5.53 mg/l for 4 h (Rat) 2.18 mg/l for 4 h (Rat) > 5 mg/l for 4 h (Rat) > 5.2 mg/l for 4 h (Rat) 10.5 mg/l for 4 h (Rat) 10.5 mg/l for 4 h (Rat) < 5.7 mg/l for 4 h (Rat) 5.7 mg/l for 4 h (Rat) > 2.4 mg/l for 4 h (Rat) 9.6 mg/l for 4 h (Rat) > 5.3 mg/l for 4 h (Rat) 9.6 mg/l for 4 h (Rat) > 5 mg/l for 4 h (Rat) > 5 mg/l for 4 h (Rat) > 4.7 mg/l for 4 h (Rat) > 2.5 mg/l for 4 h (Rat) > 4.026 mg/l for 4 h (Rat) > 5 mg/l for 4 h (Rat) > 3.9 mg/l for 4 h (Rat)
Acute dermal toxicity (LD-50 dermal)	> 2,000 mg/kg (Rabbit) > 5,000 mg/kg (Rabbit) > 5,000 mg/kg (Rabbit) > 2,000 mg/kg (Rabbit) > 3,000 mg/kg (Rabbit)

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.

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SECTION 14 - TRANSPORTATION / SHIPPING DATA

CFR / DOT:

Not Regulated

TDG:

Not Regulated

IMDG:

Not Regulated

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
 One or more components are listed on the NDSL.

U.S. Federal Regulations:

SARA 313 Components : Zinc oxide 1314-13-2

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

OSHA Hazardous Components :

Titanium dioxide	13463-67-7
Talc	14807-96-6
Fire retardant	NJ TSRN# 51721300-5035P
Calcium oxide	1305-78-8
Zinc oxide	1314-13-2
Aluminum oxide	1344-28-1
Hydrotreated heavy naphthenic distillate	64742-52-5

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

OSHA Flammability : IIIA

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of:
 6 g/l

Regulatory VOC (less water and : 1 g/l
 exempt solvent)

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VOC Method 310 : 0.04 %

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 :** Titanium dioxide 13463-67-7
 Talc 14807-96-6
 Calcium carbonate 471-34-1
 Calcium oxide 1305-78-8
 Zinc oxide 1314-13-2
- Penn RTK Components :** Low acid filtered neutral oil 8001-79-4
 Titanium dioxide 13463-67-7
 Talc 14807-96-6
 Fire retardant NJ TSRN# 51721300-5035P
 Calcium carbonate 471-34-1
 Aldimine 54914-37-3
 Calcium oxide 1305-78-8
 Zinc oxide 1314-13-2
- NJ RTK Components :** Low acid filtered neutral oil 8001-79-4
 Titanium dioxide 13463-67-7
 Talc 14807-96-6
 Fire retardant NJ TSRN# 51721300-5035P
 Calcium carbonate 471-34-1
 Calcium oxide 1305-78-8
 Zinc oxide 1314-13-2
 Hydrotreated heavy naphthenic distillate 64742-52-5

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	2
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



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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