



**POWERPLY STANDARD - WHITE GRANULE**

Version 3.0  
 REVISION DATE: 03/23/2015

Print Date 07/01/2015

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : **POWERPLY STANDARD - WHITE GRANULE**

Product code : 036STD601

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 : Roof Sheeting

15 JUL - 7 11:16 AM  
 15 JUL - 7 11:16 AM

**SECTION 2 - HAZARDS IDENTIFICATION**

Emergency Overview

Various colors. Solid ply rolls. Not applicable under normal conditions of use. Generally not required under normal conditions of use.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Not applicable under normal conditions of use.  
 Eyes : Not applicable under normal conditions of use.  
 Ingestion : Not applicable under normal conditions of use.  
 Skin : May cause mild irritation.

Aggravated Medical Conditions

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

Chronic Health Effects

This product contains granular materials which may cause mechanical skin, eye or respiratory irritation. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). The International Agency for Research on Cancer (IARC) has classified ceramic fiber, fibrous glasswool, and mineral wool (rockwool and slagwool) as possible human carcinogens (Group 2B) based on sufficient evidence of carcinogenicity in animals but insufficient data in humans. In the National Toxicology Program's (NTP) 7th Annual Report on Carcinogens (1994), respirable glasswool was classified as reasonably anticipated to be carcinogenic. 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. OSHA considers fibrous glass dust a nuisance dust. Fibrous glass can cause dermatitis, local irritation.

Target Organs: Skin, Eye, Lung

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Calcium Carbonate (Limestone)	1317-65-3	30.0 - 60.0



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Rhyolitic argillite/roofing granules	NJ TSRN# 51721300-5488P	15.0 - 40.0
Asphalt	8052-42-4	15.0 - 40.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	15.0 - 40.0
Magnesite	546-93-0	3.0 - 7.0
Fibrous Glass	65997-17-3	1.0 - 5.0
Clay	1332-58-7	1.0 - 5.0
Carbon Black	1333-86-4	0.1 - 1.0
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 : Generally not required under normal conditions of use.
- Eye contact : Generally not required under normal conditions of use.
- Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Not applicable under normal conditions of use.
- Notes to physician : Not applicable.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : Not available.
- Method : Not available.
- Burning rate : Non-flammable solid
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Hazardous combustion products : Hydrogen sulfide and hydrocarbon fractions.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Scrape up and transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Store under normal warehouse conditions.

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

Personal protection equipment

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- Respiratory protection : Not required under normal conditions of use.
- Hand protection : Use suitable impervious leather gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection.
- Skin and body protection : Not required.
- Protective measures : Other equipment not normally required.
- Engineering measures : General ventilation is sufficient.

**Exposure Limits**

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium Carbonate (Limestone)	1317-65-3	ACGIH TWA: ACGIH TWA: OSHA TWA: OSHA TWA:	3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Respirable particles. Inhalable particles. Total dust. Respirable fraction.
Asphalt	8052-42-4	ACGIH TWA: benzene solubles	0.5 mg/m3	Inhalable fraction.as
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 0.025 mg/m3	Respirable. Total dust. Respirable fraction.
Magnesite	546-93-0	ACGIH TWA: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Fibrous Glass	65997-17-3	ACGIH TWA:	5 mg/m3	Inhalable fraction.
Clay	1332-58-7	ACGIH TWA: OSHA TWA: OSHA TWA:	2 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable fraction.
Carbon Black	1333-86-4	ACGIH TWA: OSHA TWA: OSHA TWA:	3.5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Hydrotreated heavy naphthenic distillate	64742-52-5	ACGIH TWA:	5 mg/m3	Inhalable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Solid ply rolls
- Color : Various colors
- Odor : None
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Not available.

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Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: Not available.
Water solubility	: Not available.
Specific Gravity	: 1.0
% Volatile Weight	: 0 %

**SECTION 10 - REACTIVITY / STABILITY**

Stability	: Material is stable under normal storage, handling, and use.
Hazardous polymerization	: Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Asphalt, CAS-No.: 8052-42-4	
Acute oral toxicity (LD-50 oral)	> 5,000 mg/kg ( Rat ) > 5,000 mg/kg ( Rat )
Acute inhalation toxicity (LC-50)	> 94.4 mg/m3 ( Rat )
Acute dermal toxicity (LD-50 dermal)	> 2,000 mg/kg ( Rabbit )
Magnesite, CAS-No.: 546-93-0	
Acute oral toxicity (LD-50 oral)	> 2,000 mg/kg ( Rat ) > 2,000 mg/kg ( Rat )
Carbon Black, CAS-No.: 1333-86-4	
Acute oral toxicity (LD-50 oral)	> 8,000 mg/kg ( Rat ) > 15,400 mg/kg ( Rat ) > 10,000 mg/kg ( Rat ) > 10,000 mg/kg ( Rat )
Acute inhalation toxicity (LC-50)	> 4.6 mg/m3 for 4 h ( Rat ) > 10 mg/m3 for 4 h ( Rat ) > 1 mg/m3 for 7 h 4.6 mg/m3 for 4 h ( Rat ) 1 mg/m3 for 7 h
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 ) > 5.3 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 )

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**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : As purchased, this product, when discarded, is not a listed or characteristic hazardous waste according to Federal regulations (40 CFR 261). Check local, regional, state or provincial regulations for applicable requirements for disposal. Any processing, using, alteration or chemical additions to the product, as purchased, may alter the disposal requirements. Under Federal regulations, it is the generator's responsibility to determine if a waste is a hazardous waste. Empty containers may retain product residue. Do not reuse.

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

**U.S. Federal Regulations:**

SARA 313 Components : None present or none present in regulated quantities.  
SARA 311/312 Hazards : Acute Health Hazard  
Chronic Health Hazard

**OSHA Hazardous Components :**

Calcium Carbonate (Limestone)	1317-65-3
Asphalt	8052-42-4
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Magnesite	546-93-0



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Fibrous Glass	65997-17-3
Clay	1332-58-7
Carbon Black	1333-86-4
Hydrotreated heavy naphthenic distillate	64742-52-5

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

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 0 g/l  
 exempt solvent)

VOC Method 310 : 0.00 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Fibrous Glass	65997-17-3
Carbon Black	1333-86-4
Hydrotreated heavy naphthenic distillate	64742-52-5

**U.S. State Regulations:**

MASS RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Asphalt	8052-42-4
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Magnesite	546-93-0
		Fibrous Glass	65997-17-3
		Clay	1332-58-7
Penn RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Rhyolitic argillite/roofing granules	NJ TSRN# 51721300-5488P
		Asphalt	8052-42-4
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Magnesite	546-93-0
		Fibrous Glass	65997-17-3
		Clay	1332-58-7
NJ RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Rhyolitic argillite/roofing granules	NJ TSRN# 51721300-5488P
		Asphalt	8052-42-4
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Magnesite	546-93-0
		Fibrous Glass	65997-17-3
		Clay	1332-58-7
		Carbon Black	1333-86-4
		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

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**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