

**SOLARGARD ACRYLIC SEALER 5 GAL**

Version 4.0

Print Date 03/28/2013

REVISION DATE: 07/08/2012

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : SOLARGARD ACRYLIC SEALER 5 GAL  
 Product code : 110005P

COMPANY : Republic Powdered Metals  
 2628 Pearl Road  
 Medina, OH 44256

Telephone : (800) 551-7081  
 Emergency Phone: : 1-800-551-7081  
 After Hours: Chemtrec 1-800-424-9300

Product use : Sealant

**SECTION 2 - HAZARDS IDENTIFICATION**
**Emergency Overview**

White. Non-sag gunnable paste. May cause slight irritation to the respiratory system. 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 slight irritation to the respiratory system.  
 Eyes : Slightly irritating.  
 Ingestion : May cause irritation to the mouth, throat and stomach.  
 Skin : Irritant effect may be delayed.

**Aggravated Medical Conditions**

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

**Chronic Health Effects**

Chlorinated paraffin wax in product was reported by NTP to cause cancer in experimental animals when ingested. 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 %
Ethyl Acrylate, 2-ethylhexylacrylate, acrylonitrile, acrylic acid, n-methylolacrylamide polymer	52640-81-0	30.0 - 60.0
Calcium salt	7778-18-9	30.0 - 60.0
Water	7732-18-5	10.0 - 30.0
Titanium dioxide	13463-67-7	5.0 - 10.0
Butyl Acrylate	141-32-2	5.0 - 10.0
Chlorinated Paraffin Wax	NJTSRN# 51721300-5007P	1.0 - 5.0



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1-(3-Chloroallyl)-3,5,7-triaza-1-  
azoniaadamantane chloride

4080-31-3

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 with 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 : 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. Use that which is appropriate to the surroundings.
- Hazardous combustion products : Smoke, fumes.
- Protective equipment for firefighters : Not applicable. Product is not expected to burn.
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal. Keep out of water courses.

### 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. Do not use in confined or poorly ventilated areas. 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.
- Hand protection : Protect hands with impervious gloves.
- Eye protection : Use safety glasses if eye contact is likely.
- Protective measures : Use professional judgment in the selection, care, and use. Other equipment not normally required.
- Engineering measures : General ventilation is sufficient. 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>
Calcium salt	7778-18-9	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA: ACGIH TWA:	10 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3 10 mg/m3	Respirable fraction. Total dust. Total dust. Respirable fraction. Inhalable fraction.
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.
Butyl Acrylate	141-32-2	ACGIH TWA:	2 ppm	

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Non-sag gunnable paste
- Color : White
- Odor : Acrylate
- pH : 8 - 9
- 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 : Miscible



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Specific Gravity : 1.34  
% Volatile Weight : 22 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Butyl Acrylate, CAS-No.: 141-32-2  
Acute oral toxicity (LD-50 oral) 3,730 mg/kg ( Rat ) 900 mg/kg ( Rat ) 7,561 mg/kg ( Mouse )  
Acute inhalation toxicity (LC-50) 7.8 mg/l for 2 h ( Mouse )  
Acute dermal toxicity (LD-50 dermal) 2,000 mg/kg ( Rabbit )

1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, CAS-No.: 4080-31-3  
Acute oral toxicity (LD-50 oral) 500 mg/kg ( Rat ) 78.5 mg/kg ( Rabbit )  
Acute dermal toxicity (LD-50 dermal) 565 mg/kg ( Rabbit )

**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

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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 : Butyl Acrylate 141-32-2  
Chlorinated Paraffin Wax NJTSRN# 51721300-5007P

SARA 311/312 Hazards : Acute Health Hazard

## OSHA Hazardous Components :

Calcium salt 7778-18-9  
Titanium dioxide 13463-67-7  
Butyl Acrylate 141-32-2  
Chlorinated Paraffin Wax NJTSRN# 51721300-5007P  
1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride 4080-31-3

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

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 136 g/l  
exempt solvent)

VOC Method 310 : 7 %

**U.S. State Regulations:**

MASS RTK Components : Calcium salt 7778-18-9  
Titanium dioxide 13463-67-7  
Butyl Acrylate 141-32-2

Penn RTK Components : Ethyl Acrylate, 2-ethylhexylacrylate, 52640-81-0  
acrylonitrile, acrylic acid, n-  
methylolacrylamide polymer  
Calcium salt 7778-18-9  
Water 7732-18-5  
Titanium dioxide 13463-67-7  
Butyl Acrylate 141-32-2

NJ RTK Components : Ethyl Acrylate, 2-ethylhexylacrylate, 52640-81-0  
acrylonitrile, acrylic acid, n-  
methylolacrylamide polymer  
Calcium salt 7778-18-9  
Water 7732-18-5



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Titanium dioxide 13463-67-7  
 Butyl Acrylate 141-32-2

Components under California Proposition 65:  
 None known.

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
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  
 NTP - National Toxicology Program  
 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  
 CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
 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