

# Polycarboxylate Cement System - Catalyst

HENRY SCHEIN

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 10/16/2014

Date of issue: 10/16/2014

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Substance  
Substance name : Polycarboxylate Cement System - Catalyst  
CAS No : 9003-01-4

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

For professional dental use only.

#### 1.3. Details of the supplier of the safety data sheet

Henry Schein, Inc.  
135 Duryea Road  
Melville, NY 11747  
Telephone: 1-800-424-9300  
[www.henryschein.com](http://www.henryschein.com)

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300 CHEMTREC; 1-703-527-3887 CHEMTREC - Outside USA

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Comb. Dust

#### 2.2. Label elements

##### GHS-US labeling

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : May form combustible dust concentrations in air

#### 2.3. Other hazards

Other hazards not contributing to the classification : No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Name : Polycarboxylate Cement System - Catalyst  
CAS No : 9003-01-4

Name	Product identifier	%	Classification (GHS-US)
Acrylic resin	(CAS No) 9003-01-4	100	Comb. Dust

Full text of H-phrases: see section 16

#### 3.2. Mixture

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

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First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May cause slight irritation to eyes, respiratory tract, and/or skin.  
Symptoms/injuries after inhalation : Dust from this product may cause irritation to the respiratory tract.  
Symptoms/injuries after skin contact : May cause mild skin irritation.  
Symptoms/injuries after eye contact : May cause slight irritation to eyes.  
Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects.

### 4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention.

## SECTION 5: Fire-Fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray, fog.  
Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible Dust.  
Explosion hazard : Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.  
Reactivity : Reacts with (strong) oxidizers: (increased) risk of fire.

### 5.3. Advice for firefighters

Precautionary measures fire : Fight fire from safe distance and protected location.  
Firefighting instructions : Use water spray or fog for cooling exposed containers.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information : Refer to Section 9 for flammability properties.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all contact with skin, eyes, or clothing. Do not breathe dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### 6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection equipment (PPE).  
Emergency procedures : Evacuate unnecessary personnel. Avoid creating or spreading dust.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area. Eliminate ignition sources. If possible, stop flow of product.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.  
Methods for cleaning up : Use only non-sparking tools. Avoid actions that cause dust to become airborne during clean-up such as dry sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust.

### 6.4. Reference to other sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion, keep dust levels to a minimum and follow applicable regulations.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store outdoors with proper provisions for containment or in ventilated indoor areas equipped to confine dusts. Keep container closed when not in use. Keep away from heat, sparks and flame.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

#### 7.3. Specific end use(s)

For professional dental use only.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

#### 8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. Use explosion-proof equipment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Ensure all national/local regulations are observed.

Personal protective equipment : Safety glasses. Gloves. Protective clothing. Dust formation: dust mask.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : When manufacturing or handling product in large quantities and dusts or particulates may be generated, maintain airborne concentrations below recommended limits. Workplace risk assessments should be completed before specifying and implementing respirator usage. NIOSH/MSHA approved respirators for protection should be used if respirators are found to be necessary.

Other information : When using, do not eat, drink or smoke.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : No data available

Color : No data available

Odor : No data available

Odor threshold : No data available

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pH	: No data available
Evaporation Rate	: No data available
Melting/Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition Temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available

### 9.2. Other information

VOC content : < 1 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with (strong) oxidizers: (increased) risk of fire.

### 10.2. Chemical stability

Product is stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Sparks, heat, open flame and other sources of ignition. Direct sunlight. Avoid creating or spreading dust.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

#### Acrylic resin (9003-01-4)

IARC group	3
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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Dust from this product may cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause mild skin irritation.
Symptoms/injuries after eye contact	: May cause slight irritation to eyes.
Symptoms/injuries after ingestion	: Ingestion is likely to be harmful or have adverse effects.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Acrylic resin (9003-01-4)

LC50 fish 1	580 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
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#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

### SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Additional information

Other information : No supplementary information available.

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Polycarboxylate Cement System - Catalyst (9003-01-4)

SARA Section 311/312 Hazard Classes	Fire hazard
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##### Acrylic resin (9003-01-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. US State regulations

Not applicable

### SECTION 16: Other information, including date of preparation or last revision

Revision date : 10/16/2014

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of H-phrases:

Comb. Dust	Combustible Dust
Comb. Dust	May form combustible dust concentrations in air

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*