

# Aqua Seal

## Material Safety Data Sheet

### 1. Product and Company Information:

Product Name: Aqua Seal

Manufacturer: Bonded Materials Company  
 4330 N. 43<sup>rd</sup> Avenue, Suite B-4  
 Phoenix, Arizona 85031, USA  
 Phone: 623-873-0001 Fax: 623-873-0007  
 Contact: Jim Kleen [www.bondedmaterials.com](http://www.bondedmaterials.com)

### 2. Hazards Identification

#### Emergency Overview

Color: Blue  
 Physical State: Liquid, Semi-Paste  
 Odor: Low Odor

**Primary Routes of Entry:** Eye, Skin Contact, Inhalation, Ingestion

**Eye Contact:** May cause eye irritation.

**Skin Contact:** May cause skin irritation.

**Inhalation:** May cause nose, throat and lung irritation

**Ingestion:** Harmful if swallowed, may cause gastrointestinal irritation, nausea and vomiting.

**Chronic/Carcinogenicity Effect:** Contains products listed in IARC Monographs May cause nose, throat and lung irritation, may cause gastrointestinal irritation.

### 3. Composition Information

| <u>Component</u>            | <u>CAS No.</u> | <u>Percent</u> | <u>ACGIH TLV</u>    | <u>OSHA PEL</u>     | <u>OTHER</u> |
|-----------------------------|----------------|----------------|---------------------|---------------------|--------------|
| Calcium carbonate           | 1317-65-3      | 10-20%         | 10mg/m <sup>3</sup> | 15mg/m <sup>3</sup> | NA           |
| Styrene-Butadiene Copolymer | 9003-55-8      | 35-50%         | NA                  | NA                  | NA           |

### 4. First-aid Measures

**Eye Contact:** Blot or wipe any residue remaining on face, being careful not to get into victim's eyes or on skin. Immediately flush eyes with plenty of water; remove contact lenses after 1-2 minutes then continue flushing for at least 15 minutes. Effect may be delayed. If effects occur, consult a physician, preferably an ophthalmologist.

**Skin Contact:** Remove excess from skin. Wash exposed skin areas with soap and water. Remove contaminated clothes and shoes. Thoroughly clean before reuse. Get medical attention immediately. If irritation (redness, rash, blistering) develop and persist.

**Inhalation:** remove person to fresh air, if effects occur, consult physician

**Ingestion:** If accidentally ingested, do not induce vomiting unless directed to do so by medical personnel. If victim is fully conscious, give one to two cups of water to dilute the effects – consult physician.

## 5. Fire Fighting Measures

Extinguishing Media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguisher.

Special Protective Equipment for Firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing (includes fire fighting helmet, coat, trousers, boots and gloves) If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: material will not burn until all water is evaporated. Containers may burst open and splatter material if temperature reaches 212° F and above.

Hazardous Combustion Products: NA

## 6. Accidental Release Measures

Released or Spilled: Clean up spills immediately. Cover with absorbent to contain. Use appropriate containers to avoid environmental contamination. Avoid runoff to waterways and sewers. Avoid release to the environment. Use appropriate personal protective equipment (PPE).

## 7. Handling and Storage

Store in covered, dry area away from sunlight, heat and heat sources. Protect from freezing  
Use only with adequate ventilation.

## 8. Exposure Controls / Personal Protection

| Component                   | TYPE               | Value               |
|-----------------------------|--------------------|---------------------|
| Calcium Carbonate           | TWA Total Dust     | 15mg/m <sup>3</sup> |
| Styrene-Butadiene Copolymer | ACGIH TLV/OSHA PEL | NA                  |

### Personal Protection

Eye/Face Protection: Use safety glasses with side shields or wear chemical goggles.

Skin Protection: Clothing should prevent skin contact.

Hand Protection: impervious gloves, vinyl or rubber gloves recommended

Respiratory Protection: NIOSH/OSHA approved respirator for silica dust

Ingestion: Use good personal hygiene. Do not consume or store food in the work areas. Wash hands before smoking or eating.

Work/Hygienic Practices: Workers should shower with soap and water after working with product.

### Engineering Controls

Ventilation: Use with adequate ventilation. Fan or other device maybe needed if used in a small enclosed area.

## 9. Physical and Chemical Properties

Physical State: Liquid, Semi-Paste

Color: Blue

Odor: Low Odor-slight ammonia

Flash point: NA

Flammable limits in Air Lower (LEL): NA Upper (UEL): NA

Autoignition Temperature: NA

Vapor Pressure: 10 mg Hg@60 ° F

Boiling Point (760mmHg): 210 ° F

Vapor density (air=1): Heavier than air

Specific Gravity (H<sub>2</sub>O =1): 1.1

Percent VOCs: 0

Freezing point: 32 ° F

Melting point: NA

Solubility in water (by weight): Dispersible

pH: 9

Kinematic Viscosity: NA

Product Name: Aqua Seal

Date Issued: 2/25/2009

## 10. Stability and Reactivity

Stability/Instability: Stable

Conditions to Avoid: Temperature over 350 ° F, Protect from freezing

Incompatibility Materials: Avoid contact with strong oxidizers.

Hazardous Polymerization: Will not occur

Thermal Decomposition Products: Decomposition in air may result in carbon monoxide and/ or carbon dioxide.

## 11. Toxicological Information

Chronic/Carcinogenicity Effect: contains products listed in IARC Monographs

Reproductive Effects: May contain trace amounts of chemicals that cause birth defects in animal studies. It did not cause harm to the animal or fetus when applied on skin.

Ingredient(s) – Carcinogenicity: Styrene-Butadiene Copolymer listed in IARC Monographs

## 12. Ecological Information

NA

## 13. Disposal Considerations

Waste Disposal method: In accordance with applicable federal, state and local government regulations and industry standards.

RCRA information: Not considered RCRA waste

## 14. Transport Information

No special transportation or label placarding is required.

## 15. Regulatory Information

Ingredients(s) – State Regulation: Styrene-Butadiene Copolymer California –proposition 65  
Calcium Carbonate – Pennsylvania –workplace hazard

## 16. Other Information

HMIS Rating

Health: 1

Fire: 0

Reactivity: 0

Personal Protection: B

Legend: NA – Not Available or Applicable ND – Not Determined

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