

1. Identification

Product identifier: S3, S3 Powder Component, SWC-1

Other means of identification: SWC-2, EZG Powder Component Z

Recommended use: Powder Admix for Aqua-Resin Liquid Components

Restrictions on use: None

Supplier's details: Aqua-Resin, 16 Greene Street, New York, NY 10013. Telephone: 212.226.1208

Emergency telephone number: 212.226.1208

2. Hazards Identification

Classification: No components classified per any GHS hazard class.

CAUTION: Do not allow an Aqua-Resin® Liquid/Powder mix to harden on, or encase any part of the body. Doing so, because of the heat generated, the possible expansion of the material, and the difficulty of removal in a timely manner, may cause serious bodily injury, including the possibility of amputation of a body part.

3. Composition/information on ingredients

Mixture:

Chemical identity: CAS, 10034-76-1

Chemical name: Gypsum, > 90%

Remaining components are non-hazardous or present in amounts below reportable limits.

4. First aid measures

Inhalation: Remove to fresh air. Consult physician if symptoms persist.

Skin contact: Wash with soap and water.

Eye contact: Flush immediately with water for 15 minutes. Remove contacts, continue flushing as necessary. Consult physician for persistent symptoms.

Ingestion: This material may harden in the digestive tract and create a blockage. Drink large volumes of water or a gelatin solution to slow/prevent setting. (This would also apply to an Aqua-Resin L/S3 mix.) Get immediate medical attention.

5. Firefighting measures

Suitable extinguishing media: Material will not burn. Use firefighting procedures appropriate to surrounding area.

Unsuitable extinguishing media: N/A
Specific hazards: None
Unusual fire and explosion hazard: None
Special protective equipment and precaution for fire fighters: None

6. **Accidental release measures**

Personal precautions: Avoid breathing dust.
Protective equipment: In cases of extreme dusting, use a NIOSH approved dust mask.
Environmental precautions: Avoid discharge into drains, sewers and waterways.
Methods and materials for containment and cleaning up: Vacuum any spilled material with HEPA filter.

7. **Handling and storage**

Precautions for safe handling: Minimize dust when handling. Avoid contact with eyes. Avoid swallowing. Keep out of reach of children.

Once this product has been reacted with the Aqua-Resin® L liquid component, cured and hardened, if sanding is necessary, wet sanding should be employed to control dust

Conditions for safe storage, including incompatibilities: Keep containers tightly closed in a dry environment. Avoid contact with water.

8. **Exposure controls/personal protection**

Occupational exposure limits:
Chemical name: Gypsum
ACGIH-TWA: 10 mg/m³, inhalable fraction
OSHA-PEL: 5 mg/m³ respirable; 15 mg/m³ total dust

Appropriate engineering controls: Provide sufficient ventilation; general exhaust.
Individual protection measures such as personal protective equipment: A NIOSH approved dust mask. Common sense procedures per occurrence.

9. **Physical and chemical properties**

Appearance: Powders--white to pink; additives reddish brown
Odor: None
Odor Threshold: N/A
pH: N/A
Melting point/Freezing point: N/A
Initial boiling point and boiling range: N/A
Flash point: N/A
Evaporation rate: N/A
Flammability (solid, gas): N/A
Upper/lower flammability or explosive limits: N/A
Vapor pressure (mm Hg): N/A
Vapor density (Air=1): N/A
Relative density: ca. 1.29

Solubility in H₂O: slightly
Partition coefficient: n-octanol/water: N/A
Auto-ignition temperature: N/A
Decomposition temperature: 2642F

10. Stability and reactivity

Chemical stability: Stable
Possibility of hazardous reactions: No
Conditions to avoid: Dusting, Moisture.
Incompatible materials: Strong acids.
Hazardous decomposition products: Calcium oxides, sulfur oxides.

11. Toxicological information

Likely routes of exposure:

Acute Effects:

Inhalation: Prolonged inhalation of dusts may be harmful causing respiratory irritation.*

Ingestion: May cause irritation and stomach discomfort. (See section 4.)

Skin: No skin hazard under anticipated conditions of use.

Eye: Temporary irritation.

Chronic effects: None known.

Numerical measures of toxicity: Gypsum, LD50 Rat 1581mg/kg

This product is in compliance with LHAMA and as such has been evaluated by an independent toxicologist and shown to have no chronic toxicity.

**Any respirable crystalline silica, if present, in this product is below detection limits.*

12. Ecological Information

Eco-toxicity): Individual components not classified as environmentally hazardous.

Persistence and degradability: Gypsum is moderately water-soluble (~2.0–2.5 g/l at 25 °C).

Bio-accumulative potential: Bio-accumulation not expected.

Mobility in soil: No data

Other adverse effects: None expected.

13. Disposal considerations

General: Dispose in accordance with applicable regulations.

Waste disposal: Not regulated.

14. Transport information

Transport Hazard class(es): Gypsum. Not regulated as dangerous goods.

Packing group: N/A

Marine Pollutant (Yes/No): Gypsum, No.

Special precautions: None.

15. Regulatory information

OSHA STATUS: Gypsum, CAS, 10034-76-1, “**Hazardous Chemical**” as defined by 20 CFR 1910.1200.*

USA TSCA STATUS: Not regulated.

CERCLA Reportable Quantity (RQ): Not listed

SARA Title III:

Section 302 (EHS): Not listed.

Section 311/312 (Acute): Not listed.

Section 313: Not regulated.

RCRA: N/A

CANADIAN WHMIS: Not identified.

Not hazardous (low risk) under normal conditions of use. See section 11.

***Per OSHA:** Hazard determination does not involve an estimation of risk. Hazard refers to an inherent property of a substance that is capable of causing an adverse effect. Risk, on the other hand, refers to the probability that an adverse effect will occur with specific exposure conditions. Thus, a substance will present the same hazard in all situations due to its innate chemical or physical properties and its actions on cells and tissues. However, considerable differences may exist in the risk posed by a substance, depending on how the substance is contained or handled, personal protective measures used, and other conditions that result in or limit exposure.

16. Other information

Precautionary Labeling:	HMIS	NFPA
Health	1	1
Flammability	0	0
Reactivity	0	0
Other	-	N/A

Rating Scale:

0 = Minimal Hazard, 1 = Slight Hazard, 2 = Moderate Hazard, 3 = Serious Hazard, 4 = Extreme Hazard

Abbreviations and Acronyms:

HMIS: Hazardous Materials Identification System

NFPA: National Fire Protection Association

LHAMA: Labeling of Hazardous Art Materials Act

N/A: NOT APPLICABLE

N/E: NONE ESTABLISHED

The information in this SDS relates only to the specific materials designated, and to the specific Aqua-Resin® products identified in our instructions. It does not relate to use in combination with any other materials or processes. This information is provided in good faith, and as of the revision date of this document, is believed to be correct. However, Aqua-Resin® does not make any representation as to its accuracy or completeness. Users are advised to make their own determination as to the suitability of this product for their particular purpose. Accordingly, Aqua-Resin® disclaims responsibility for damages of any kind resulting from the use of this information.