

1. Identification

Product identifier: Aqua-Resin® XLR-8™

Other means of identification: XLR-a™, XLR-b™, XLR-80™, XLR-800™

Recommended use: Accelerator for Aqua-Resin mixes

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:

Mild skin irritation, Category 3

Eye irritation, Category 2

3. Composition/information on ingredients

Mixture:

Chemical identity: CAS Number: 10043-01-3

Chemical name: Aluminum Sulfate

Chemical identity: CAS Number: 7732-18-5

Chemical name: Water

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

4. First aid measures

Inhalation: Remove patient to fresh air.

Skin contact: Wash affected areas with soap and water. Consult physician if irritation persists.

Eye contact: Flush immediately with water. Consult physician if irritation persists.

Ingestion: May be harmful if swallowed. Do not induce vomiting. Drink water or milk. Consult a physician.

5. Firefighting measures

Suitable extinguishing media: N/A

Unsuitable extinguishing media: N/A

Specific hazards: N/A

Unusual fire and explosion hazard: None

Special protective equipment and precaution for fire fighters: N/A

6. Accidental release measures

Personal precautions: Common sense precautions should apply.

Protective Equipment:

Protective gloves: Rubber or vinyl

Eye protection: Chemical splash goggles are recommended. Eyewash station should be available.

Environmental precautions: None known

Methods and materials for containment and cleaning up: Dilute spills with water. Mop up.

7. Handling and storage

Precautions for safe handling: Keep out of reach of children.

Conditions for safe storage, including incompatibilities: Do not freeze. Avoid excess heat.

8. Exposure controls/personal protection

Occupational exposure limits:

Chemical name: Aluminum Sulfate

ACGIH-TWA: 2mg/m³ as Al

Appropriate engineering controls: Local exhaust. The need for additional controls is not anticipated.

Individual protection measures such as personal protective equipment:

Respiratory protection: None required. Use with adequate ventilation.

Eye protection: In cases where common sense would indicate that splashing conditions exist, chemical splash goggles are recommended.

Protective gloves: Rubber or vinyl

Work/Hygiene Practices: Do not eat or smoke while working with this product.

9. Physical and chemical properties

Appearance: Clear yellow liquid

Odor: Pungent, agreeable odor

Odor Threshold: N/A

pH: 3.0 to 3.8

Melting point/Freezing point: N/A

Initial boiling point and boiling range: 101-109°C

Flash point: N/A

Evaporation rate: Less than n-butyl acetate

Flammability (solid, gas): N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure (mm Hg): 17.1mm Hg

Vapor density (Air=1): Not determined

Relative density: 1.1 to 1.3

Solubility: N/A

Solubility in H₂O: miscible

Partition coefficient: n-octanol/water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

10. Stability and reactivity

Chemical stability: Stable

Possibility of hazardous reactions: Above 1,400 degrees F, sulfur oxide gases which are toxic, corrosive, and oxidizers.

Conditions to avoid: Temperatures above 1,400 degrees F

Incompatible materials: Strong alkalis

Hazardous decomposition products: Above 1,400 degrees F, sulfur oxide gases which are toxic, corrosive, and oxidizers.

11. Toxicological information

Likely routes of exposure:

Acute Effects:

Inhalation: May irritate respiratory tract.

Ingestion: May cause gastrointestinal irritation.

Skin: Redness and irritation may occur.

Eye: May strongly irritate eyes.

Chronic effects: None.

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

12. Ecological Information

Eco-toxicity: No information available

Persistence and degradability: No information available

Bio-accumulative potential: No information available

Mobility in soil: No information available

Other adverse effects: No information available

13. Disposal considerations

General: This product must be disposed of in accordance with all applicable federal, state and local regulations.

Waste disposal: Incineration or landfill is recommended. Contact your state or local environmental agency for specific rules for both waste and containers.

14. Transport information

UN Number: N/A

UN Proper shipping name: N/A

Transport Hazard class(es):

Packing group (if applicable): N/A

Marine Pollutant): Unlikely, but no specific data.

Special precautions: None

15. Regulatory information

OSHA STATUS: Aluminum sulfate, hazardous per OSHA 29 CFR 1910.1200 *

USA TSCA STATUS: Listed. (Aluminum sulfate)

CERCLA Reportable Quantity (RQ): N/A

SARA Title III:

Section 302 (EHS): N/A

Section 311/312 (Acute): N/A

Section 313: N/A

RCRA: N/A

CANADIAN WHMIS: Listed (Aluminum sulfate)

***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.