

1. Identification

Product identifier: Aqua-Resin® D-XL™

Other means of identification: D-XLL™

Recommended use: Retarder for Aqua-Resin mixes

Restrictions on use: None known

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:

Eye contact: Mild irritation, category 2

Skin contact: Prolonged exposure may cause skin irritation, category 3

Ingestion: Can cause mild stomach and intestinal irritation associated with nausea and vomiting.

Inhalation: The inhaling of the product aerosol may cause mild irritation of the respiratory system.

Other hazards: None known.

3. Composition/information on ingredients

Mixture:

Chemical identity: CAS Number: 13845-36-8

Chemical name: Potassium Tripolyphosphate,

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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.

Ingestion: Not considered toxic. Consult a physician.

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

Eye contact: Flush immediately with water. Consult physician in case of persisting irritation.

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

This is a water-based material and will not ignite.

6. **Accidental release measures**

Personal precautions: Common sense precautions only.

Protective equipment:

Respiratory Protection: None required. Use with adequate ventilation.

Ventilation Local Exhaust: None required.

Mechanical (general): None required.

Protective gloves: Rubber or vinyl.

Eye protection: None required under anticipated conditions of use. In extreme circumstances, chemical splash goggles are recommended.

Other Protective Equipment or Clothing: Running water or eyewash station should be available.

Environmental precautions: None anticipated

Methods and materials for containment and cleaning up: Material is slippery. Mop up and dry.

7. **Handling and storage**

Precautions for safe handling: Do not freeze. Avoid excess heat.

Conditions for safe storage, including incompatibilities: Keep out of reach of children.

8. **Exposure controls/personal protection**

Occupational exposure limits:

The product does not contain any relevant quantities of materials that have to be monitored in the workplace.

Appropriate engineering controls:

Ventilation Local Exhaust: None required.

Mechanical (general): None required.

Individual protection measures such as personal protective equipment:

Respiratory Protection: None required. Use with adequate ventilation.

Protective gloves: Rubber or vinyl.

Eye protection: None required under anticipated conditions of use. In extreme circumstances, chemical splash goggles are recommended.

Other Protective Equipment or Clothing: Running water or eyewash station should be available.

9. **Physical and chemical properties**

Appearance: Clear liquid, water white to pale blue

Odor: None

Odor Threshold: N/A

pH: 8.00-10.0

Melting point/Freezing point: N/A

Initial boiling point and boiling range: 100°C

Flash point: N/A

Evaporation rate: Slower than n-butyl acetate

Flammability (solid, gas): N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure (mm Hg): Not determined

Vapor density (Air=1): Not determined
Relative density: 1.0-1.3
Solubility: N/A
Solubility in H₂O: Complete
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: None
Conditions to avoid: Temperature above 500°C
Incompatible materials: Strong acids. Product may react with aluminum, releasing hydrogen gas.
Hazardous decomposition products: None known

11. Toxicological information

Likely routes of exposure:

Acute Effects:

Inhalation: May irritate respiratory tract.
Skin contact: May irritate skin.
Eye contact: May irritate eyes.
Ingestion: May cause gastrointestinal irritation.
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.

Numerical measures of toxicity: None available.

12. Ecological Information

Eco-toxicity (aquatic and terrestrial, where available): No information available
Persistence and degradability: No information available
Bio-accumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: None known

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 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): Not regulated.

Packing group (if applicable): N/A
Marine Pollutant (Yes/No): N/A
Special precautions: N/A

15. Regulatory information

OSHA STATUS: Hazardous per 29CFR 1910.1200 (Potassium tripolyphosphate)*
USA TSCA STATUS: In compliance
CERCLA Reportable Quantity (RQ): Not listed
SARA Title III: Not listed
Section 302 (EHS): Not listed
Section 311/312 (Acute): Not covered
Section 313: Not listed
RCRA: N/A
CANADIAN WHMIS: Not controlled

***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.