Material Safety Data Sheet

A1 Retarder

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: A1 Retarder

Supplier:

Acrylic One
Nijverheidsweg 15 A
3251 LP Stellendam
+31-187-663006
info@acrylicone.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

NO.	CAS REG No.	Weight %
1. Ammonium salts of acrylic polymer	Not Hazardous	5-95
2. Residual monomers	Not required	<0,05
3. Water	7732-18-5	5-95

This Product is a preparation.

3. HAZARDS INDENTIFICATION

Primary Routes of Exposure: Inhalation, Skin contact and Eye contact.

Inhalation: Inhalation of vapour or mist can cause the following:
Headache, nausea, irritation of the nose, throat and lungs.

Skin contact: Prolonged or repeated skin contact can cause the following:
Slight skin irritation.

Eye Contact: Direct contact with material can cause the following:
slight irritation.

Delayed effects: Prolonged or repeated overexposure to dusts or mists can cause lung irritation.

4. FIRST AID MEASURES

Inhalation: Move subject to fresh air.

Skin Contact: Wash affected skin areas thoroughly with soap and water consult a physician if irritation persists.

Eye Contact: Flush eyes with a large amount of water for at least 15 minutes. Consult a doctor if irritation persists.

Ingestion: If swallowed, give 2 glasses of water to drink. Consult a doctor. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash Point:	Non-combustible
Auto-ignition Temperatures	Not applicable
Lower Explosive Limit	Not applicable
Upper Explosive Limit	Not applicable

Unusual Hazards: Material can splatter above 100 ºC. Dried product can burn.

Extinguishing Agents: Use extinguishing media appropriate for surrounding fire

Personal Protective Equipment: Wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Appropriate protective equipment must be worn. When handling a spill of this material. See SECTION 8, exposure Controls / Personal Protection for recommendations. If exposed to material during clean up operations, see Section 4, First Aid Measures, for actions to follow.

Procedure: Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

Caution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. STORAGE AND HANDLING

Storage Conditions: Keep from freezing: material may coagulate. Minimum recommended storage temperature for this material is 1 ºC.

Maximum recommended storage temperature for this material is 49 ºC

Handling Procedures: Monomer vapours can be evolved when material is heated during processing operations. Note: Formaldehyde will be generated under acidic conditions. Maintain adequate ventilation under these conditions to prevent exposure to formaldehyde above the recommended ceiling of 0.3 ppm.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No.	CAS REG NO	Weight %
1. Ammonium salt of acrylic polymer	Not Hazardous	0-50
2. Residual monomers	Not required	< 0.05
3. Water	7732-18-5	0-50

Respiratory protection: a respiratory protection program must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit. For dust or mist up to 5 times the exposure limit, wear a properly fitted approved filtering face piece. If oil mist is present, wear a single use filtering face piece.

Eye protection: Use approved safety glasses with side shields. Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: Neoprene gloves may provide protection against permeation.

Engineering controls (ventilation): Use local exhaust ventilation with a minimum capture velocity of 0.75 m/sec. at the point of dust or mist evolution.

Other protective equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour :	Light yellow
Appearance :	Clear
State :	Liquid
pH :	6 – 7
Specific Gravity :	1.10 – 1.25
Vapour Density :	< 1 water
Vapour Pressure :	17 mm Hg 20 ºC water
Melting point :	0 ºC water
Boiling point :	100 ºC water
Solubility in water :	Completely soluble
Percent Volatility :	90 to 91 % water
Evaporation rate :	< 1 water

Physical and chemical date given are typical values for this product and are not intended to be product specifications.

10. STABILITY AND REACTIVITY

Instability: This material is considered stable. However, avoid temperatures above 230 ºC, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition Products: Thermal decomposition may yield acrylic monomers.

Hazardous Polymerisation: Product will not undergo polymerisation.

Incompatibility: There are no known materials which are incompatible with this product.Instability

11. TOXICOLOGICAL INFORMATION

Toxicity data for a compositionally similar material:

Oral LD50 – rat	>5000 mg/kg
Dermal LD50 – rabbit	>5000 mg/kg
Skin Irritation – rabbit:	Practically non-irritating
Eye Irritation – rabbit:	Inconsequential Irritation

12. EXOLOGICAL INFORMATION

No applicable Data

13. DISPOSAL CONSIDERATIONS

Procedure: For disposal incinerate this material at a facility that complies with local state and federal regulations for handling reactive material.

14. TRANSPORT INFORMATION

Hazardous class : Not Regulated for Transport

15. REGULATORY INFORMATION

EEG
This product satisfies all the requirements of the European inventory of Existing Chemical Substances (EINECS)

Hazardous class : Not Regulated for Transport

16. OTHER INFORMATION

None

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