MATERIAL SAFETY DATA SHEET

Polyacrylamide

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:	Polyacrylamide
CAS Number:	9003-05-8
EC Number:	618-350-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

This substance is considered to be non-hazardous for transport.

2.2 Label elements

No information available

2.3 Other hazards

May cause irritation to eyes, respiratory system and skin.

Section 3: Composition/information on ingredients

Polyacrylamide

3.2 Mixtures

CAS #	Content (W/W)	Ingredients
9003-05-8	>88%	Polyacrylamide
7732-18-5	<12%	Water

Chemical name: Polyacrylamide
Common name / synonyms: Polyacrylamide

Section 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.
In case of eye contact: flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.
If swallowed: immediately wash mouth with water provided person is conscious. Call a physician.
If inhaled: remove to fresh air. If necessary, get medical attention.

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: water spray, dry chemical, carbon dioxide or appropriate foam.

5.2 Special hazards arising from the substance or mixture

Emit toxic fumes under fire conditions

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up
Seep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and storage

7.1 Precautions for safe handling
Wear appropriate protective clothing and gloves. Avoid breathing dust. Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flames. Incompatibilities: strong oxidising agents and food. No smoking at working site.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flames. Store in a tightly closed container. Incompatibilities: strong oxidising agents and food.

Section 8: Exposure controls/personal protection

8.1 Control parameters
Use ventilation equipment. Safety shower and eye bath.

8.2 Exposure controls
No smoking, drink and eating at working site. Wash thoroughly after handling.

8.3 Personal protective equipment
Eye/face protection: Wear chemical safety goggles.

Skin protection: Wear compatible protective gloves.

Body protection: Wear appropriate protective clothing.

Respiratory protection: Government approved respirator.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Off-white granule crystal
Physical State	Crystals
Odor	Weak odor
Odor Threshold	No information available

Polyacrylamide

pH	5.4 (25C, 50.0g/l)
Melting Point/Range	No information available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity / Density	No information available
Bulk Density	No information available
Water Solubility	Weak soluble
Solubility in other solvents	No information available
Partition Coefficient	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available

Section 10: Stability and Reactivity

10.1 Reactivity	No information available
10.2 Chemical Stability	Stable under normal temperatures and pressures
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur
10.4 Conditions to avoid	No information available
10.5 Incompatible materials	Strong oxidising agents and foods
10.6 Hazardous decomposition products	Carbon oxides, nitrogen oxides (NOx)

Section 11: Toxicological Information

Product Information

11.1 Toxicological affects

Irritation data: may cause irritation to the eyes, respiratory system and skin.

Polyacrylamide	Rat	Oral	LD50	>1000 mg/kg
	Mouse	Oral	LD50	12950 mg/kg

Section 12: Ecological Information

No information available.

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Polyacrylamide

Section 13: Disposal considerations

13.1 Waste treatment methods

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all environmental regulations.

Section 14: Transport Information

Polyacrylamide is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

Polyacrylamide isn't a harmful product, and therefore it needn't be marked as dangerous goods according to EC-D.

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