

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: **ACCEPTA 8412**
Supplier: **ACCEPTA LIMITED**
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 Manchester,
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Product Use: Process aid for industrial applications.

2. HAZARDS IDENTIFICATION

Main risks : May cause irritation to skin and mucous membranes.
Inhalation : May cause irritation.
Skin contact : May cause skin irritation, i.e. redness, eczema.
Contact with eyes : May cause irritation.
Ingestion : May cause sickness and vomiting.
Environmental risks : The product can hydrolyse and form a precipitate of aluminium hydroxide when diluted beyond a particular level. The solubility of the product is dependant on the pH value.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS no	Symbol	R phrase(s)	S -Safety Phrase(s)
Polyaluminium Chloride (PAC)	1327-41-9	Xi	R37/38/41	S26,S28,S37,S39

4. FIRST AID MEASURES

Inhalation : Move to fresh air.

Skin contact : Remove contaminated clothing. Wash with soap and water as a precaution. In case of persistent skin irritation, consult a physician.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

Ingestion : Flush with water, and then give water to drink. Do not induce vomiting. Call a physician

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :	Will not burn. Use media appropriate for surrounding material.
Special fire-fighting precautions :	Use suitable safety equipment.
Specific hazards :	Thermal decomposition (200° C) may liberate HCL fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Use appropriate protective clothing. (See section 8).
Environmental precautions :	Do not contaminate drains, use suitable absorbing granules and swept up.
Methods for cleaning up :	
On ground	Flush with plenty of water, if possible neutralise with lime.
On water	Inform the police and /or fire brigade and local authority.

7. HANDLING AND STORAGE

Technical protective measures :	Handle in accordance with good industrial hygiene and safety practice.
Storage :	Containers should be stainless steel, rubber lined mild steel or plastic tanks.
Storage stability :	Approx 1 year.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure :	When handling the working area and methods should be designed to prevent direct contact with the product and inhibit dust and/or splash.
Personal protection equipment	
- Respiratory protection :	Avoid formation of mists.
- Skin protection :	Protective clothing, rubber or plastic gloves.
- Eye protection :	Safety glasses with side-shields. Do not wear contact lenses. Equipment for eye rinsing.
OEL	2 mg Al/m ³ (8 hour TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form :	Clear Liquid
Colour :	Amber / Yellow
Odour :	Insignificant
pH:	Approx 1.5 – 2.5 in concentrated solution
Solubility in water (weight %) :	Complete at 20 °C
Boiling temperature (°C) :	100 - 120
Melting decomposition temp (°C) :	200
Solubility in organic solvents :	None
Density (kg/m ³)	1100 - 1180

10. STABILITY AND REACTIVITY

Materials to avoid :	Avoid contact with chlorite/hypochlorite/sulphite/oxidising agents.
Hazardous decomposition products :	Thermal decomposition (>200 °C) may release HCL fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

-Oral LD50 / oral / rat (mg/kg) : No data available.

- Intraperitoneal LD50 mouse (mg/kg) : No data available.

Splashes irritate mucous membranes, eyes and respiratory organs.

12. ECOLOGICAL INFORMATION

Acute aquatic toxicity

Toxic concentration limit : No data available.

Algae : No data available.

Protozoa (Microregma) : No data available.

The product is an inorganic substance/preparation. During hydrolyzation, a precipitate is formed of metal hydroxide in the pH range 5-7. Due to this reaction the pH in the water phase decreases. If phosphates are present, metal phosphate complex may form.

13.DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dilute with water, neutralise with lime.
Suitable dumping according to local regulations.

Contaminated packaging: Destruction according to local regulations.

14.TRANSPORT INFORMATION

Transport Information

Transport warning label : 8
Packing group : III
ADR : Class 8
RID : Class 8
IMO – IMDG : Class 8
IATA : Class 8
UN No : 3264
Proper shipping name : Corrosive liquid, Acidic, inorganic, N.O.S. (POLYALUMINIUM CHLORIDE (PAC)).

15.REGULATORY INFORMATION

Labelling according to EU directives

Danger symbols : Xi (Irritant).
Risk phrases : R37/38/41 Irritating to eyes, respiratory system and skin.
Safety phrases : S26 in the event of contact with eyes, rinse immediately with plenty of water (15 min) and seek medical attention.
S28 in the event of contact with skin, rinse immediately with plenty of water (15 min) and seek medical attention.
S37 Wear suitable gloves made of plastic or rubber.
S39 Wear eye/face protection.

EINECS No : 215-477-2
CAS No : 1327-41-9

16. OTHER INFORMATION

Further information:

This MSDS was prepared in accordance with the following:

Council Directive 92/32/EEC of 30 April 1992 amending for the seventh time Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances and all subsequent adaptations to technical progress.

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Commission Directive 2001/58/EC of 27 July 2001 amending for the second time Directive 91/155/EEC defining and laying down the detailed arrangements for the system of specific information relating to dangerous preparations in implementation of Article 14 of European Parliament and Council Directive 1999/45/EC and relating to dangerous substances in implementation of Article 27 of Council Directive 67/548/EEC (safety data sheets).

ISO 110140-1 : Material Safety Data Sheet for Chemical Product.

Contact:

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