

SAFETY DATA SHEET

PRODUCT NAME: Accepta 8303

1. Chemical product and company identification

Product Name : Accepta 8303
 Chemical Name : Aluminium hydroxide chloride (monomeric)
 Product type and use : Coagulant for wastewater treatment
 Company identification : ACCEPTA LTD
 Address and telephone number : Statham House, Talbot Road, Old Trafford, Manchester M32 0FP
 : +44 (0) 161 877 2334
 Emergency telephone number : +44 (0) 870 135 6389

2. Composition/information on ingredients

Chemical name	CAS No.	Content (%)	Symbol	R-phrases(s)	Safety Phrase(s)
Aluminium hydroxide Chloride	1327-41-9	~ 24	Xi	R36/37/38	S26, S28, S37, S39
Water	7732-18-5	~ 70-80			

3. Hazards identification

Main risks : May cause irritation to skin and mucous membranes
 Inhalation : May cause irritation
 Skin contact : May cause skin irritation, e.g. 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.

4. First-aid measures

Inhalation : Remove from source of contamination to fresh air
 Skin contact : Wash skin with plenty of water
 Contact with eyes : Flush with plenty of water for 15 minutes
 Ingestion : Flush with water, then give water to drink. Call a physician

5. Fire-Fighting measures

Extinguishing media
 - Suitable : Will not burn, use media appropriate for surrounding material
 - Not suitable : None
 Specific hazards : Thermal decomposition (>200°C) may liberate HCl fumes.
 Specific protection of firefighters : Use suitable safety equipment

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6. Accidental release measures

Personal precautions : Use appropriate protective clothing (See Section 8)
Environmental precautions : Do not let product enter drains, use suitable absorbing granules and sweep up.
Methods for cleaning up
- on ground : Flush with plenty of water, if possible neutralise with lime
- on water : Inform police and/or fire brigade and appropriate local authority

7. Handling and storage

Storage conditions : Storage should be in rubber lined mild steel, plastic or stainless steel tanks.
Store between 0-30°C.
Storage stability : Approx. 1 year
Technical protective measures Handle in accordance with good industrial hygiene and safety practice

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 protective equipment
- Inhalation : Avoid formation of mists
- Skin : Protective clothing, rubber or plastic gloves
- Eye protection : Safety glasses with side-shields. Equipment for eye rinsing
OEL : 2 mg Al/m³ (8 hour TWA)

9. Physical and chemical properties

Form : Yellowish, clear liquid
Odour : Insignificant
PH : Approx. 1 in concentrated solution
Boiling temperature (°C) : 100-120
Melting/decomposition temp (°C) : 200
Density (kg/m³) : 1200-1300
Solubility in water (weight - %) : Complete at 20°C
Solubility in organic solvents : None

10. Stability and reactivity

Conditions to avoid : Avoid contact with chlorite/hypochlorite/sulphite/oxidising agents
Materials to avoid : Unalloyed steel, galvanised or aluminium surfaces
Hazardous decomposition Products : Thermal decomposition (>200°C), may liberate HCl fumes.

11. Toxicological information

Oral LD₅₀, rat (mg/kg) : No data available
Intraperitoneal LD₅₀, mouse (mg/kg) : No data available

Dust and/or splash irritates mucous membranes, eyes and respiratory organs.

12. Ecological information

Toxic concentration limit : No data available
Algae : No data available
Protozoa (Microregma) : No data available

The product is an inorganic substance/preparation. During hydrolysis, a precipitate is formed of metal hydroxide in the pH-range 5 to 7. Due to this reaction the pH in the water phase decreases. If phosphates are present, metal phosphate complex may form. Trace organics are <1000 mg/l.

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13. Disposal considerations

Waste from product residues : Dilute with water, neutralise with lime
: Suitable dumping to local regulations

Waste from contaminated packaging : Local regulations apply

14. Transport information

Transport warning label : 8
Packing Group : III
ADR/RID : Class 8
IMO-IMDG code : Class 8
IATA : Class 8
UN No. : 3264 (Corrosive Liquid, Acidic, Inorganic, n.o.s.)

15. Regulatory information

Labelling according to EU directives
- Danger symbol(s) : Xi (Irritant)
- Risk phrase(s) : R36/37/38 Irritating to eyes, respiratory system and skin

- Safety phrase(s) : S26 In the event of contact with eyes, rinse immediately with
plenty of water and seek medical advice.
: S28 After contact with skin, wash immediately with plenty of water

: S37, S39 Wear suitable gloves made of plastic or rubber and wear eye/face
protection.

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

16. Other information

References : 1) Gower Handbook of Water Treatment Chemicals (1996)
: 2) CEN Draft 1992