



SAFETY DATA SHEET

PRODUCT NAME: Accepta 8304					
1. <u>Chemical product and company identification</u>					
Product Name	:	Accepta 8304			
Chemical Name	:	Aluminium hydroxide chloride			
Product type and use	:	Coagulant for wastewater treatment and paper processing			
Company identification	:	Accepta Ltd			
Address and telephone number	:	Statham House, Lancastrian Office Centre, Talbot Road, Old Trafford, Manchester, M32 0FP, United Kingdom			
	:	+44 (0) 161 877 2334			
Emergency telephone number	:	+44 (0) 161 877 2334			
2. <u>Composition/information on ingredients</u>					
Chemical name	CAS No.	Content (%)	Symbol	R-phrases(s)	Safety Phrase(s)
Aluminium hydroxide chloride	1327-41-9	~ 20	Xi	R36/37/38	S26, S28, S37,S39
Water	7732-18-5	~ 70-80			
3. <u>Hazards identification</u>					
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. <u>First-aid measures</u>					
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. <u>Fire-Fighting measures</u>					
Extinguishing media	:	Will not burn, use media appropriate for surrounding material			
- Suitable	:	None			
- Not suitable	:	Thermal decomposition (>200°C) may liberate HCl fumes.			
Specific hazards	:	Use suitable safety equipment			
Specific protection of firefighters	:				

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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 : Containers can be stainless steel, rubber lined mild steel or plastic tanks.
Store between; -10 – 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 : Colourless to pale yellow liquid
Odour : Insignificant
pH : Approx. 1-1.5 in concentrated solution
Boiling temperature (°C) : 100-120
Melting/decomposition temp (°C) : 200
Density (kg/m³) : 1250-1350
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 : Thermal decomposition (>200°C), may liberate HCl fumes.
Products

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

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.

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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

Revised: 07.01.06