



## SAFETY DATA SHEET

**PRODUCT NAME: Accepta 8308**

### 1. Chemical product and company identification

Product Name : Accepta 8308  
 Chemical Name : Aluminium chlorohydrate  
 Product type and use : Coagulant for water treatment and paper processing  
 Company identification : Accepta Ltd  
 Address and telephone number : Statham House, Old Trafford, Manchester. M32 0FP. United Kingdom.  
  
 : +44 (0) 161 877 2334  
 Office Fax Number : +44 (0) 870 135 6389  
 Emergency telephone number : +44 (0) 161 877 2334

### 2. Composition/information on ingredients

Chemical name	CAS No.	Content (%)	Symbol	R-phrases(s)	Safety Phrase(s)
Aluminium chlorohydrate	12042-91-0	23-24 (Al <sub>2</sub> O <sub>3</sub> )	Xi	R36/37/38	S26,S28,S37, S39

### 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 (>600°C) may liberate HCl fumes.  
 Specific protection of firefighters : Use suitable safety equipment



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<b>6. <u>Accidental release measures</u></b>	
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
<b>7. <u>Handling and storage</u></b>	
Storage conditions	: Containers can be stainless steel, rubber lined mild steel or plastic tanks. Store between 0-30°C.
Storage stability	: Approx. 1 year
Technical protective measures	: Handle in accordance with good industrial hygiene and safety practice
<b>8. <u>Exposure controls/personal protection</u></b>	
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/m <sup>3</sup> (8 hour TWA)
<b>9. <u>Physical and chemical properties</u></b>	
Form	: Colourless liquid
Odour	: Insignificant
PH	: Approx. 3.5 in concentrated solution
Boiling temperature (°C)	: >100
Melting/decomposition temp (°C)	: N/A
Density (kg/m <sup>3</sup> )	: 1250-1350
Solubility in water (weight - %)	: Complete at 20°C
Solubility in organic solvents	: None
<b>10. <u>Stability and reactivity</u></b>	
Conditions to avoid	: Avoid contact with chlorite/hypochlorite/sulphite/oxidising agents and cyanides
Materials to avoid	: Unalloyed steel, galvanised or aluminium surfaces
hazardous decomposition products	: Thermal decomposition (>600°C), may liberate HCl fumes
<b>11. <u>Toxicological information</u></b>	
Oral LD <sub>50</sub> , rat (mg/kg)	: 13g/kg
Intraperitoneal LD <sub>50</sub> , mouse (mg/kg)	: No data available
Mild skin irritant	
Dust and/or splash irritates mucous membranes, eyes and respiratory organs.	
<b>12. <u>Ecological information</u></b>	
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.



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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. : 234-933-1  
CAS No. : 12042-91-0

### 16. Other information

References : 1) Gower Handbook of Water Treatment Chemicals (1996)