

## SAFETY DATA SHEET

**PRODUCT NAME: Accepta 8314**

### 1. Chemical product and company identification

Product Name : Accepta 8314  
 Chemical Name : Aluminium iron sulphate/Polydiallyldimethylammonium chloride blend  
 Product type and use : Coagulant for water 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) 161 877 2334

### 2. Composition/information on ingredients

Chemical name	CAS No.	Symbol	R-phrases(s)	Safety Phrase(s)
Aluminium Sulphate	10043-01-3			
Ferric sulphate	10028-22-5	Xi	R36/37/38	S26, S28, S37, S39
PDADMAC	26062-79-3			

### 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/iron 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 SO<sub>x</sub> 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	: 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

## **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/m <sup>3</sup> (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)	: N/A
Density (kg/m <sup>3</sup> )	: 1300-1320
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 (>600°C), may liberate SO <sub>x</sub> fumes

## **11. Toxicological information**

Oral LD <sub>50</sub> , rat (mg/kg)	: No data available
Intraperitoneal LD <sub>50</sub> , 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.

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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. : 233-135-0/233-072-9  
CAS No. : 10043-01-3/10028-22-5/26062-79-3

## **16. Other information**

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