



SAFETY DATA SHEET

PRODUCT NAME: ACCEPTA 8313		Date: 1/7/07			
1. <u>Chemical product and company identification</u>					
Product Name	: ACCEPTA 8313				
Chemical Name	: Aluminium iron sulphate				
Product type and use	: Coagulant for water treatment				
Company identification	: Accepta Ltd				
Address and telephone number	: Statham House, Talbot Road Manchester, M32 0FP, UK : +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 Sulphate	10043-01-3	~ 23			
Ferric Sulphate	10028-22-5	~5	Xi	R36/37/38	S26, S28, S37, S39
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, e.g. redness, soreness				
Ingestion	: May cause sickness and vomiting if swallowed				
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. Do not encourage vomiting.				
5. <u>Fire-Fighting measures</u>					
Extinguishing media					
- Suitable	: Will not burn, use media appropriate for surrounding material				
- Not suitable	: None				
Specific hazards	: Thermal decomposition (>600C) may liberate SO _x 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 dilute Sulphuric Acid
 - on water : Inform police and/or fire brigade and appropriate local authority

7. Handling and storage

Storage conditions : Store in stainless steel, mild steel rubber-lined, glass, plastics or mild steel.
 Store between 0-30°C. Storage stability approx 1 year.
 Technical protective measures Handle in accordance with good industrial hygiene and safety practice
 Wear appropriate protective clothing if there is a possibility of contact.

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 spray 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 liquidPale brown liquid
 Odour : Insignificant
 pH : Approx. <1 in concentrated solution.
 Boiling temperature (°C) : 100-200
 Melting/decomposition temp (°C) : N/A
 Density (kg/m³) : 1300-1320
 Solubility in water (weight - %) : Complete at 20°C.
 Solubility in organic solvents : None

10. Stability and reactivity

Conditions to avoid :
 Materials to avoid : Avoid contact with chlorite/hypochlorite/sulphite/oxidising agents, strong acids
 Unalloyed steel, galvanised or aluminium surfaces
 Hazardous decomposition : Thermal decomposition (>600c) may liberate Sox fumes

11. Toxicological information

Oral LD₅₀, rat (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

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



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13. Disposal considerations

Waste from product residues : Dilute with water
: 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, NOS)

15. Regulatory information

Labelling according to EU directives

- Danger symbol(s) : Xi (Irritant)
- Risk phrase(s) : R36/37/38 Irritating to eyes, respiratory system & skin.

- Safety phrase(s) : S28 After contact with skin wash immediately with plenty of water.

- : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

- : S37/39 Wear suitable gloves and eye/face protection
- :

EINECS No. : 2233-135-0/233-072-915-100-1
CAS No. : 10043-01-3/10028-22-5

16. Other information

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