

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: ALUMINIUM SULPHATE SOLUTION
CAS number: 10043-01-3

Company name: Nexchem Ltd
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2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes. Irritating to skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: A slightly acidic solution in water containing less than 0.1% sulphuric acid and not less than 7.5% aluminium as Al_2O_3

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat. There may be vomiting.
Inhalation: May cause irritation to the respiratory system.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult medical attention if irritation persists.
Ingestion: Do not induce vomiting. Wash out mouth with water. Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if necessary.

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5. FIRE-FIGHTING MEASURES

Extinguishing media:	Use extinguishing media appropriate to the surrounding conditions.
Exposure hazards:	In combustion emits toxic fumes.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Refer to section 8 of SDS for personal protection details.
Environmental precautions:	Do not allow material to enter surface drains or water courses. If this occurs, inform the relevant water authority at once.
Clean-up procedures:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements:	Avoid contact with skin or eyes.
Storage conditions:	Avoid incompatible materials and conditions - see section 10 of SDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:	Ensure there is sufficient ventilation of the area.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Off-white
Odour:	Odourless
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Miscible in all proportions
Boiling point/range°C:	214
Relative density:	1.280 (8%)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	High temperatures.
Materials to avoid:	Acids. DO NOT MIX WITH ANY OTHER CHEMICALS.
Haz. decomp. products:	In combustion emits toxic fumes.

[cont...]

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11. TOXICOLOGICAL INFORMATION

Routes of exposure: Irritating to the eyes. Irritating to open cuts. Irritating to mucous membranes. Abdominal pain may occur.

12. ECOLOGICAL INFORMATION

Other adverse effects: Spillage of aluminium sulphate solution may cause localised damage to animals and plants. If diluted and neutralised no lasting effects will occur.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of through approved waste disposal operatives. The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted. This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal. This product is subject to The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations and their amendments. (United Kingdom)

14. TRANSPORT INFORMATION

ADR / RID

UN no:	3264	ADR Class:	8
Packing group:	III	Classification code:	C1
Shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.		
Labelling:	8	Hazard ID no:	88



IMDG / IMO

UN no:	3264	Class:	8
Packing group:	III	EmS:	F-A,S-B
Marine pollutant:	NO		
Labelling:	8		

IATA / ICAO

UN no:	3264	Class:	8
Packing group:	III		
Packing instructions:	807(P&CA); 809(CAO)		
Labelling:	8		

[cont...]

15. REGULATORY INFORMATION

Hazard symbols:

Irritant.



Risk phrases:

R36: Irritating to eyes.

R38: Irritating to skin.

Safety phrases:

S24/25: Avoid contact with skin and eyes.

Note:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.