

Safety Data Sheet

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER	
Product name:	ALUMINIUM SULFATE SOLID
Other Names:	Aluminium sulphate solid; Aluminium sulfate; Aluminium sulphate; Sulphate of alumina; Sulfate of alumina; Alum; Alum kibbled; Kibbled alum; Ground alum; Granular alum; Solid alum.
Recommended Use:	Water treatment, flocculant, pH control, paper and pulp, deodorising agent, fire retardant, foam boosting, dyes, mordant, printing fabric, catalyst.
Company Identification: Address:	UCN CHEMICAL Limited Korkut Reis Mah Lale Cad 13/7 Cankaya Ankara
Customer Centre:	UCN CHEMICAL Limited
Section 2: HAZARD IDENTIFICATION	
<p>Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.</p> <p>This materials hazardous ; HAZRDOUS SUBSTANCE.</p> <p>Classification of the substance or mixture: Skin Irritation - Category 2 Eye Damage - Category 1</p> <p>SIGNAL WORD: DANGER</p> <p>Hazrd Staement(s): H315 Causes skin irritation. H318 Causes serious eye damage</p> <p>Precautionary Staement(s):</p> <p>Prevntion: P264 Wash ands thoroughly after handling. P280 Wear protective gloves /protective clothing /ey protecion /face protecion.</p>	

Safety Data Sheet

Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Poisons Schedule (SUMP): None Allocated

Section 3: Composition Information

INGREDIENT	CAS No.	CONTENT
Aluminium sulfate	10043-01-3	>99%

Section 4: FIRST AID MEASURES

Inhalation:	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Ingestion:	Rinse mouth with water. If swallowed, DO NOT induce vomiting. Give a glass of water. Seek medical advice.
Skin Contact:	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye Contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.
Medical Attention & Special treatment	Treat symptomatically. Can cause corneal burns.

Safety Data Sheet

Section 5: FIREFIGHTING MEASURES	
Hazards from combustion products:	Not combustible, however, if material is involved in a fire use: Extinguishing media appropriate to surrounding fire conditions
Specific hazards arising from the substance or mixture:	Non-combustible material.
Suitable Extinguishing Media:	Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Hazchem or Emergency Action Code:	
Precautions for fire fighters and special protective equipment:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition
Section 6: ACCIDENTAL RELEASE MEASURES	
Emergency procedures/Environmental precautions:	Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contact. Avoid breathing in dust. Work up wind or increase ventilation. For large spills notify the Emergency Services.
Methods and materials for containment and cleaning up:	Contain - prevent run off into drains and waterways. Sweep up but avoid generating dust and airborne material. Collect and seal in properly labeled containers or drums for disposal.
Section 7: HANDLING AND STORAGE	
Handling:	Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.
Storage:	Store under cover in a dry place. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

Safety Data Sheet

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for particulates: Dusts not otherwise classified: 8hr TWA = 10 mg/m ³
Protective Equipment:	The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.
Engineering Controls:	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use
Hygiene Precautions:	Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	White
Odour:	Odourless
Molecular Formula	Al ₂ (SO ₄) ₃ .14H ₂ O
Solubility:	Soluble in water
Specific Gravity:	1.70 @17°C
Relative Vapour Density (air=1):	Not applicable
Vapour Pressure (20 °C):	Not applicable
Solubility in water (g/L):	870 @0°C
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
pH:	11 (20% solution)

Section 10: STABILITY AND REACTIVITY

Safety Data Sheet

Chemical Stability:

Reactivity:	Hygroscopic: absorbs moisture or water from surrounding air.
Hazardous Decomposition Products:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	Oxides of sulfur. Oxides of aluminium.
	Avoid exposure to moisture. Avoid dust generation
Incompatible materials:	Incompatible with air , water , strong bases
Hazardous reactions:	Hazardous polymerisation will not occur. May react with some metals in the presence of moisture . Reacts with moisture forming sulphuric acid

Section 11: TOXICOLOGICAL INFORMATION

ERMA Classification:	
Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Inhalation:	Material is irritant to the mucous membranes of the respiratory tract (airways). Chlorine, evolved from decomposition when wet, is a severe respiratory irritant, corrosive, and highly toxic. Delayed effects can include shortness of breath, headache, pulmonary edema, and pneumonia.
Skin Contact:	Contact with skin may result in severe irritation.
Eye Contact:	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Avoid contaminating waterways

Section 13: DISPOSAL INFORMATION

Disposal methods:	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Dispose of material through a licensed waste contractor. Advise flammable nature.

Safety Data Sheet

Section 14: TRANSPORT INFORMATION

Road and Rail Transport

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; NON- DANGEROUS GOODS.

Marine Transport

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; NON- DANGEROUS GOODS.

Air Transport

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; NON- DANGEROUS GOODS.

Section 15: REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; -HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:

Skin Irritation - Category 2

Eye Damage - Category 1

Hazrd Staement(s):

H315 Causes skin irritation.

H318 Causes serious eye damage.

Section 16: OTHER INFORMATION

Supplier Safety Data Sheet; 08/ 2014.

This safety data sheet has been prepared by Kemcore.

Reason(s) for Issue: 1st issue

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Kemcore cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Kemcore at the contact details on page 1. Kemcore's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.