Vickers Laboratories Ltd - Safety Data Sheet

0036

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.1 Revision date: 16 April 2021
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Section 1. Identification

1.1 Product Identifier 0036

Product Name ALUMINIUM SULPHATE 16H2O pure

CAS Number 16828-11-8

REACH Registration No 01-2119531538-36-XXXX

Molecular Formula

Al₂ (SO₄)₃ .16H₂ O =630.38

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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(Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Serious eye damage/irritation, category 1

H318: Causes serious eye damage.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Hazard Statements Causes serious eye damage.

Precautionary Statements

Wear protective gloves / protective clothing / eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Immediately call a POISON

CENTER or doctor/physician.

Section 3. Composition

3.1 Substances

Component	CAS No. EEC No.		REACH No.	Conc w/w	CLP Classification (1272/2008/CE)	
Aluminium Sulphate	16828-11- 8	233-135-0	01-2119531538-36-XXXX	<100%	Eye Dam. 1	

Section 4. First Aid

4.1 Description of first aid measures

Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL Eyes

ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If

discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

If conscious give plenty of water to drink. OBTAIN MEDICAL ATTENTION. Ingestion

Personal protection for first Wear protective gloves / eye protection.

aiders

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards Presents no specific fire danger.

5.3 Advice for firefighters

Advice for firefighters Consider all other materials in the vicinity.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection Avoid breathing dust-wear respiratory protective equipment. Do not allow general use of area until it is safe to do

SO.

6.2 Environmental precautions

Enviromental Keep non-neutralised material out of sewers, storm drains, surface waters and soil. Notify the Environmental

Agency and local Environmental Health Officer if major spillage occurs.

6.3 Methods and material for containment and cleaning up

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

6.4 Reference to other sections

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Protect against ingress of moisture.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

l	Component	CAS No	Concentration	Workplace Exposure Limits			
				Long Term (8h	r TWA)	Short Term 15min period)	
Ì	Aluminium Sulphate	16828-11-8	<100%	-	-	2.0 ppm -	

IOELV: Indicative Occupational Exposure Limit Value. Exposure data source(s)

8.2 Exposure controls

Respiratory Protection If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hand Protection

Eve Protection Use tightly fitting chemical splash proof glasses or goggles.

Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. Skin Protection

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance White powder. No specific odour. Odour 2 @ 20°C pН **Boiling Point** Not available Melting Point 86.5°C Flash Point Not applicable Upper Flammable Limit Not applicable Lower Flammable Limit Not applicable Auto Ignition Not applicable **Explosive Properties** No. Oxidising Properties No. Not applicable Vapour Pressure

Relative Density 1.6900

Water Solubility Very soluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions 10.3 Possibility of hazardous

reactions

No data available.

10.4 Conditions to Avoid Contact with most metal surfaces, e.g. galvanised metal, aluminium, copper zinc and their alloys.

10.5 Incompatable Materials Alkalis. Contact with chlorites, hypochlorites and sulphites will emit toxic gases.

0.6 Hazardous Decomposition

Products

Liberates toxic and acidic dense white fumes of sulphur dioxide.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes Contact with the solid or dust will be extremely irritating to eyes and can cause chemical eye burns.

Skin Will release sulphuric acid in contact with moisture which will cause severe irritation.

LD50 Skin >5000mg/kg Rabbit

Ingestion Low order of acute toxicity.

LD50 Oral >5000mg/kg Mouse

Inhalation Prolonged exposure to dust or fume concentrations above the occupational exposure limits will produce irritation

of the eyes and respiratory tract.

LD50 Inhalation Not available TCLo Not available

Carcinogenicity Not considered to be a carcinogen.

Mutagenicity Not considered to be a mutagen.

Reproductive Effects None identified.

Section 12. Ecological

12.1 Toxicity Hydrolyses to produce sulphuric acid and gelatinous aluminium hydroxide. This may lead to localised adverse

effects arising from the physical properties of the gel.

LC50 Algal Not available
LC50 Crustacea Not available
LC50 Fish 142mg/l Fish

12.2 Persistence and

degradability

No data available.

12.3 Bioaccumulative potential No data available.12.4 Mobility in soil No data available.

12.5 Results of PBT & vPvB

assessment

Assessment not required.

12.6 Other adverse effects None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods Dispose of to a licensed land fill site.

Contaminated Packaging Wash out containers with water.

Section 14. Transport Information

14.1 UN Number Non-restricted14.2 Proper Shipping Name Non-restricted

14.3 Transport classes

UN classification None Subsidiary hazard(s) None Transport category None

ADR Hazard ID Non-restricted
Tunnel Restriction Code Non-restricted

14.4 Packing Group None

14.5 Environment hazards See section 12.

14.6 Special precautions for No special precautions required.

user

14.7 Transport in bulk Not transported in bulk.

Section 15. Regulatory Information

$15.1\ Safety, health\ and\ environment\ regulations\ specific\ for\ subtance/mixture.$

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Serious eye damage/irritation, category 1

Signal word Danger

Hazard Pictograms



Hazard Statements H318

Causes serious eye damage.

Precautionary Statements P280, P305+P351+P338, P310

Wear protective gloves / protective clothing / eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Immediately call a POISON CENTER or doctor/physician.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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