Safety Data Sheet

According to CFR1910/1200 and GHS Rev.10
Effective Date: 5 February 2024

Product Name: Aluminium Sulphate

Classified for physical and health hazards under GHS.

SECTION 1: IDENTIFICATION OF SUBSTANCE AND OF THE SUPPLIER

Product Name	Aluminium Sulphate
Other Names	Aluminium Sulphate, hydrates
CAS No.	10043-01-3
Product Code & Size	20KALS, 20kg
Recommended Uses	Industrial Water treatment
Company Name	Viva Blu Chemical Suppliers
Address	49 Victoria Street, Windsor, QLD, 4030
Phone	+61 402 981 808
Manufacturer Name	Viva Blu Chemical Suppliers
Address	49 Victoria Street, Windsor, QLD, 4030
Phone	+61 402 981 808
Emergency Contact Number	+61 402 981 808 General Information
24 Hour Emergency Contact	If poisoning occurs, contact a doctor or Poisons Information Centre **Australia 131 126** or **New Zealand 0800 764 766**

SECTION 2: HAZARDS IDENTIFICATION

Classification Hazardous chemical according to GHS (Globally Harmonized System)

Hazard Category
Category 2A Serious eye damage/ irritation



*Corrosive to metal in presents of water

Signal word: Warning

Hazard Statements
H319: Causes serious eye irritation

Precautionary statements
P280: Wear eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+ P313: If eye irritation persists, get medical advice.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportions
Aluminium Sulphate (Al2(SO4)3)	10043-01-3	≤100%

SECTION 4: FIRST AID MEASURES

Swallowed Rinse mouth with water, then drink 1-2 glasses of water. Do NOT induce vomiting. Seek medical attention if irritation, discomfort or vomiting persists.

Eye Rinse with plenty of water at least for 15 minutes. Remove contact lenses if present and easy to do. Seek medical assistance if symptoms persist.

Skin Remove contaminated clothing and wash before re-use. Wash affected

	areas with copious quantities of water immediately. If irritation occurs, seek medical advice.
Inhaled	Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position in fresh air.
Advice to Doctor	Treat symptomatically based on individual reactions of patient and judgement of doctor.

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

Indication of any immediate medical attention and special treatment needed
If seeking medical attention, provide SDS document to physician.

SECTION 5: FIRE FIGHTING MEASURES

Flammability Conditions	Product is not combustible.
Extinguishing Media	Use extinguishing media most appropriate for the surrounding fire/ environment. For example, dry chemical, CO2 or water spray.
Hazards Products of Combustion	Can produce toxic fumes in fire, including Sulphur and Aluminium oxides.

Special Protective Precautions & Equipment for Fire fighters' Protective equipment

Fire fighters should wear a self-contained breathing apparatus and full protective clothing along with protective equipment. At high temperatures under fire conditions, it may produce toxic or irritating fumes.

Hachem Code	No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and Emergency Procedures

Always wear protective equipment when handling the substance and ensure adequate ventilation. Keep unprotected people away and isolate the affected area. Avoid breathing dust and contact with eyes and skin. Eliminate all sources of ignition. Increase ventilation. Do not allow

product to reach drains, sewers, or waterways.

Environmental precautions Prevent from reaching drains, sewers, or waterways.

Methods and Materials for Containment and Clean Up

Wear protective clothing. Sweep up and shovel into a suitable, labeled container and hold for safe disposal. Wash spill area with plenty of water after removing the spill. Prevent dispersion of dust. If necessary, use trained response staff/contractor.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling Ensure an eye and safety shower are available and ready for use in case of an emergency. To avoid contact with eyes, skin and clothing, wear protective clothing and safety glasses. Do not breathe dust. Follow good hygiene procedures when handling substances.
Do not eat, drink, smoke or use personal products when handling substances. Use only in well-ventilated areas. Collect spillage.

Conditions for Safe Storage including and incompatibilities

Store in a cool and dry place. Keep container tightly closed and in its original packaging. Avoid physical damage to containers. Protect from moisture. Keep away from heat and sources of ignition. Incompatible materials: strong bases, chlorites, carbides, water and metals. Corrosive to metal when water is present.

Container Type Store in original packaging as approved by manufacturer.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters No data available.

Appropriate Engineering Controls Preferent use local exhaust ventilation to minimise the exposures.

Respiratory Protection Use suitable respiratory protective equipment when inadequate ventilation or where risk assessment shows air-purifying respirators are appropriate. Example: high concentration of dust formation.

Protection of skin Appropriate personal equipment is required like protective overalls, safety footwear and gloves.

Eye Protection	Safety Glasses is recommended to prevent contact with eyes.
Work hygiene practices	Do not eat, drink or smoke when using the substance. Handle in accordance with good industrial hygiene and safety practice. Wash hands after handling.
Biological Values	No information available
Exposure Limits	No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to brownish powder or granulate
Odor	Odorless
Vapor Pressure	No data available
Vapor Density	No data available
Boiling Point	No data available
Melting Point	770 °C
Solubilities	Soluble in water
Specific Gravity/ Relative Density	No data available
Flash Point	Not applicable
pH	> 3 at 10g/L @ 27 °C
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Particle Size	Not applicable
Volatile Organic Compounds	Not applicable
Evaporation Rate	Not applicable
Viscosity	No data available
Percent Volatile	No data available
Octanol/Water partition coefficient	Not applicable
Saturated Vapor Concentration	No data available
Additional Characteristics	Hydroscopic- absorbs water from air
Flame Propagation/Burning rate of Solid Material	No data available
Reactions that release flammable Gases	Decomposes on heating, emitting toxic fumes like Sulphur and or Aluminium oxides

Chemical formula	Al2(SO4)3

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Stable at recommended storage conditions.

Incompatible Materials Metals, strong bases, chlorites, water, hypochlorite and carbides. Corrosive to metal in presence of water.

Hazardous Decomposition products Decomposes on heating, emitting toxic and corrosive fumes.

Hazardous Polymerisation When correct storage and handling, no dangerous reactions.

Conditions to avoid Exposure to moisture and air. Dust generation. Incompatibles.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

Ingestion	Acute toxicity (oral): LD50, rat >2000 mg/kg
Eye Corrosion/ Irritation	Causes serious eye damage/ irritation.
Respiratory/ skin Irritation	Slight irritation.
Single Target Organ Toxicity (STOT) single expose	No information available
Single Target Organ Toxicity (STOT) repeat expose	No information available
Carcinogenicity	None
Gem Mutagenicity	None
Reproductive Toxicity	No information available
Aspiration toxicity	No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Toxicity to fish: LC50, Pimephales promelas 36.1mg/L (96h)

Environmental fate Prevent entry to waterways

Persistence/ degradability No information available

Mobility in Soil No information available

Bioaccumulation Potential No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Disposal in accordance with regional, national and international regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number	Not applicable
Shipping Name	Aluminium Sulphate
Dangerous Goods Class	Non Dangerous Goods
Subsidiary Risk	Not applicable
Pack Group	Not applicable
Hazchem Code	Not applicable
Special precautions for user	Not applicable

SECTION 15: REGULATORY INFORMATION

Poisons Schedule (AUST) Not applicable

SECTION 16: CONTACT INFORMATION

Any advice, recommendation, information, assistance, or service provided by Viva Blu in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer of any liability on the part of Viva Blu. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and whether implied by stature, common law, custom of the trade otherwise, are to the extent that the law permits expressly excluded.

Craig Mair

Managing Director

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