

MATERIAL SAFETY DATA SHEET**Product Name:** ALUMINIUM SULPHATE HYDRATE**CAS No.:** 17927-65-0**Version:** 0**1. Identification**

Product Code : 90107,90315
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2. Hazards Identification**Hazard classification**

Corrosive to metals : Category 1

Serious eye damage : Category 1

Labels elements

Hazard symbol

**Signal word** : Danger**Hazard statement** : May be corrosive to metals.
Causes serious eye damage.**Precautionary statement** : Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.**Supplemental Hazard Statements** : None**3. Composition/information on ingredients****Ingredient** : ALUMINIUM SULPHATE HYDRATE**CAS No.** : 17927-65-0**Percent** : NLT 99.0%

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Formula : $Al_2(SO_4)_3 \cdot xH_2O$
Molecular Weight : 342.15 (anhy)g/mol

4. First Aid Measures**Description of first aid measures**

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Eye contact : Flush eyes with water as a precaution.

Swallowed : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed : No data available

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Sulphur oxides, Aluminum oxide

Advice for firefighters : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be

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Methods and materials for containment and cleaning up : avoided.
: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

Precautions for safe handling : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. hygroscopic Store under inert gas.

8. Exposure Controls / Personal Protection

Exposure limit : No data available

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Respiratory protection : Air-purifying respirators

Hand protection : Handle with gloves

Eye protection : Face shield and safety glasses

Skin and Body Protection : Complete suit protecting against chemicals

9. Physical and Chemical Properties

Appearance : White crystalline powder.

Odor : No data available

pH : No data available

Melting point/freezing point : 770 °C - dec.

Initial boiling point and boiling range : No data available

Flash Point : No data available

Vapor pressure : No data available

Vapor density : No data available

Relative density : 2.71 g/mL at 25 °C

Solubility in water : No data available

Solubility (other) : No data available

10. Stability and Reactivity

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available

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| | | |
|---|---|---|
| Conditions to avoid | : | Air Exposure to moisture |
| Incompatible materials | : | Incompatible with strong bases and oxidizing agents., Ammonia, Water, Amines |
| Hazardous decomposition products | : | Hazardous decomposition products formed under fire conditions. - Sulphur oxides, Aluminum oxide |

11. Toxicological Information**Information on toxicological effects**

| | | |
|--|---|-------------------|
| Acute toxicity | : | No data available |
| Skin corrosion/irritation | : | No data available |
| Serious eye damage/eye irritation | : | No data available |
| Respiratory or skin sensitization | : | No data available |
| Germ cell mutagenicity | : | No data available |
| Carcinogenicity | | |
| IARC | : | No data available |
| NTP | : | No data available |
| OSHA | : | No data available |
| Reproductive toxicity | : | No data available |
| Route of Exposure | : | No data available |
| Signs and Symptoms of Exposure | : | No data available |

12. Ecological Information

| | | |
|--------------------------------------|---|--------------------|
| Toxicity | : | No data available |
| Persistence and degradability | : | No data available |
| Bioaccumulative potential | : | No data available |
| Mobility in soil | : | No data available. |
| Other adverse effects | : | No data available |

13. Disposal consideration

| | | |
|-------------------------------|---|--|
| Disposal instructions | : | Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Contaminated packaging | : | Dispose of as unused product. |

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| | UN No. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|-------------|--------|---|------------------|-----------------|------------------|
| DOT | 3260 | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate) | 8 | III | No |
| IMDG | 3260 | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate) | 8 | III | No |
| IATA | 3260 | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate) | 8 | III | No |

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :01/06/2014****Version : 0**

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