

Material Safety Data Sheet (MSDS)

Section 1: Chemical Product and Company Identification	
Product Name	Non Ferric Aluminium Sulfate POWDER 17% (Non-Ferrous)
CAS Number	7784-31-8
Chemical Formula	Al ₂ (SO ₄) ₃ 14-18H ₂ O
Company Name	CAMACHEM (Part of CAMAL Group) 3F Jinlong East Beijing Station Road Chaoyang District, Beijing, China
Contact	sales@camachem.com
Company Website	www.camachem.com
Section 2: Composition and Information on Ingredients	
Chemical characterization:	Sulphuric acid, Aluminium salt (3:2), Tetradeca-Octadecahydrate..
Active Ingredients(As Al ₂ O ₃):	16 ± 1 %
Section 3: Hazards Identification	
<ul style="list-style-type: none"> ❖ Primary Routes of Exposure: Skin, Eyes, and Respiratory tract. ❖ Health Hazard Warnings: CAUTION! May cause slight eye and skin irritation. Prolonged or repeated overexposure to dusts may cause upper respiratory tract irritation. Dusts at sufficient concentrations can form explosive mixtures with air. ❖ Inhalation: Prolonged or repeated overexposure to dusts may cause upper respiratory tract irritation. ❖ Skin Contact: Prolonged or repeated skin contact may cause slight skin irritation. ❖ Eye Contact: Contact with eyes can cause slight irritation. ❖ Ingestion: May cause gastrointestinal irritation in the form of nausea and vomiting. 	
Section 4: First Aid Measures	
<ul style="list-style-type: none"> ❖ Eyes: Immediately flush eyes with water for 10 - 15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention. ❖ Skin: Remove contaminated clothing and equipment. Thoroughly flush the affected area with plenty of water for at least 15 minutes. Seek medical attention if irritation persists. 	

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- ❖ **Inhalation:** Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.
- ❖ **Ingestion:** Call a physician. Never give anything by mouth to an unconscious person. Induce vomiting only at the instruction of a doctor or nurse.

Section 5: Fire and Explosion Data

- ❖ **Flash Point:** No data available **Auto Ignition:** No data available
- ❖ **Explosive Limits; UEL/LEL:** In sufficient concentrations, dusts can form potentially explosive mixtures in air.
- ❖ **Extinguishing Agents:** Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents.
- ❖ **Fire & Explosion Hazards:** As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Avoid generating dusts. Cool containers with water that are exposed to flames. Bond and ground equipment when transferring material to prevent static build up.
- ❖ **Hazardous Combustion Products:** Thermal decomposition produces oxides of carbon and sulfur.

Section 6: Accidental Release Measures

- ❖ **Environmental precautions:** Do not discharge into the subsoil / soil.
- ❖ **Methods for cleaning up / taking up:** Take up with absorbent material (eg sand, kieselguhr, universal binder). Clean equipment with water.
- ❖ **Additional information:** Information regarding personal protective measures see, chapter 8.

Section 7: Handling and Storage

- ❖ **Handling Conditions:** Wash thoroughly after handling. Avoid contact with eyes. Avoid ingestion.
- ❖ **Storage Conditions:** Keep container tightly closed when not in use. Keep out of moisture.

Section 8: Exposure Controls/Personal Protection

- ❖ **Hygiene measures:** Wash hands before breaks and after work.
- ❖ **Hand protection:** Impermeable gloves
- ❖ **Eye protection:** Safety glasses
- ❖ **Body protection:** Protective clothing

Section 9: Physical and Chemical Properties

- ❖ **Form** : Solid granules
- ❖ **Colour** : White crystalline free flowing Powder
- ❖ **Melting point** : Not available

- ❖ **Concentration As Al₂O₃** : 16 ± 1 %
- ❖ **Solubility in water** : Completely soluble in water
- ❖ **pH value (10 % Solution in water)** : 2.0 to 4.0
- ❖ **Water insoluble** : Max. 0.8 %
- ❖ **Iron content** : Below 50 ppm

Section 10: Stability and Reactivity Data

- ❖ **Stability:** Stable under normal conditions of storage and handling.
- ❖ **Incompatibility:** Avoid strong oxidizers.
- ❖ **Polymerization:** Will not occur.
- ❖ **Decomposition:** When heated to decomposition, may emit oxides of sulfur.
- ❖ **Self life:** 1 year from the date of manufacture

Section 11: Toxicological Information

- ❖ Harmful if swallowed.
Acute Overexposure Effects :
- ❖ **Inhalation** : May cause sensitization.
- ❖ **Ingestion** : Harmful if swallowed .
- ❖ **Eye Contact** : May cause irritation.
- ❖ **Skin Contact** : No Hazardous.
- ❖ **Acute Toxicity** : No Toxic
- ❖ Chronic Effects:
Sensitization: not available
- ❖ **Carcinogenicity:** not available
- ❖ **Mutagenicity:** not available
- ❖ **Reproductive Toxicity:** not available
- ❖ **LD-50 value:** 4750 mg/kg

Section 12: Ecological Information

- ❖ **Ecotoxicological Data: Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
- ❖ Use the product following safe working procedures and avoiding to discharge it in the environment.

Section 13: Disposal Considerations

- ❖ **Waste Disposal:** This product if discarded as supplied, is considered non- hazardous as defined by RCRA. Incinerate in accordance with local, state and federal regulations.

Section 14: Transport Information

❖ ADR	: Not restricted
❖ RID	: Not restricted
❖ ANDR	: Not restricted
❖ IMDG	: Not restricted
❖ IATA	: Not restricted

Section 15: Other Regulatory Information

- ❖ Labeling in accordance with EC – Directives
- ❖ Not subject to labeling

Section 16: Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we m be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.