

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



MATERIAL SAFETY DATA SHEET (MSDS)

CALCIUM SULFATE ANHYDROUS MICRONISED

1. Identification

Item	Detail
Product name	Calcium Sulfate Anhydrous Micronised
Intended use	Solid particulate filler in plastics, resin compounds and powder coatings
Supplier	Polymer Add (Thailand) Co., Ltd.
Email	contact@polymeradd.co.th
Company telephone	+66 83 941 5475

2. Hazard identification

Calcium sulfate is not classified as hazardous under GHS on available substance data. Airborne micronised dust may irritate the eyes and respiratory tract. Repeated contact may cause mechanical skin irritation.

Avoid breathing dust. Use ventilation and appropriate eye protection when handling the powder.

3. Composition/information on ingredients

Component	CAS number	Content
Calcium sulfate, anhydrous	7778-18-9	≥95%
Mineral impurities	Varies	Balance

4. First-aid measures

Inhalation: Move to fresh air. Obtain medical advice if coughing or breathing discomfort persists.

Eye contact: Rinse carefully with water for several minutes. Remove contact lenses if easily possible. Obtain medical advice if irritation persists.

Skin contact: Wash with soap and water.

Ingestion: Rinse mouth. Obtain medical advice if unwell.

5. Fire-fighting measures

The product is non-combustible. Use extinguishing media appropriate for the surrounding fire. Extreme heating may produce sulfur oxides and calcium oxide. Firefighters should wear protection appropriate to the fire conditions.

6. Accidental release measures

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Prevent dust from becoming airborne. Collect powder with a suitable industrial vacuum, preferably fitted with a high-efficiency filter, and place it in a closed container. Avoid dry sweeping and compressed-air cleaning.

7. Handling and storage

Avoid generating and inhaling dust. Use enclosed handling or local exhaust ventilation where practical. Keep containers closed and store in a dry area protected from moisture.

8. Exposure controls/personal protection

Provide ventilation to control airborne dust. Wear safety glasses and suitable work gloves. Where ventilation does not adequately control dust, use an appropriately fitted particulate respirator.

A published occupational reference limit for calcium sulfate is **10 mg/m³ inhalable particulate**, measured as an eight-hour time-weighted average. Apply the occupational exposure limits required in the location of use.

9. Physical and chemical properties

Property	Value
Appearance	White to off-white micronised powder
Odour	Odourless
pH	6.0–8.0 in a 10% aqueous slurry
Decomposition temperature	Approximately 1,450°C
Flammability	Non-combustible
Water solubility	Slightly soluble; approximately 0.2 g/100 mL at 20°C
True specific gravity	Approximately 2.9–3.0
Particle size	D50 3–8 µm; D90 <25 µm

10. Stability and reactivity

Stable under normal dry storage and intended processing conditions. Avoid moisture exposure and extreme heating. Thermal decomposition at extreme temperature may release sulfur oxides.

11. Toxicological information

Fine airborne powder may cause coughing and temporary respiratory irritation. Dust contact may cause temporary eye or skin irritation. Calcium sulfate is not classified as hazardous under GHS on available substance data.

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12. Ecological information

No environmental hazard classification is assigned on available substance data. Prevent uncontrolled releases of bulk powder to drains or waterways.

13. Disposal considerations

Collect waste powder and contaminated packaging in closed containers. Dispose of them according to applicable local requirements.

14. Transport information

Not classified as dangerous goods for road, sea or air transport. Protect packages from damage and moisture.

15. Regulatory information

Calcium sulfate, anhydrous: **CAS 7778-18-9; EC 231-900-3**. Apply the chemical-inventory, workplace dust-control and labelling requirements of the destination jurisdiction.

16. Other information

This MSDS covers **Calcium Sulfate Anhydrous Micronised** in powder form for the particulate applications stated in Section 1.

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