

CALCIUM SULFATE (ANHYDROUS)**1589**
April 2005CAS No: 7778-18-9
RTECS No: WS6920000Sulfuric acid, calcium salt (1:1)
CaSO₄
Molecular mass: 136.14

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE			
Inhalation	Cough.	Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves.	Rinse and then wash skin with water and soap.
Eyes	Redness.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Abdominal pain.	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink.

SPILLAGE DISPOSAL

Personal protection: P1 filter respirator for inert particles. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water.

PACKAGING & LABELLING**EMERGENCY RESPONSE****SAFE STORAGE**

Dry.

IMPORTANT DATA

Physical State; Appearance

WHITE HYGROSCOPIC POWDER OR CRYSTALLINE POWDER

Occupational exposure limits

TLV: (particulate matter containing no asbestos and <1% crystalline silica) 10 mg/m³ as TWA; (ACGIH 2005).

MAK: (Respirable fraction) 6 mg/m³; (DFG 2004).

Inhalation risk

A nuisance-causing concentration of airborne particles can be reached quickly when dispersed.

Effects of short-term exposure

May cause mechanical irritation. Ingestion may cause gastrointestinal blockage.

Effects of long-term or repeated exposure

Lungs may be affected by repeated or prolonged exposure to dust particles if crystalline silica is present.

PHYSICAL PROPERTIES

Melting point (decomposes): 1450/C

Density: 2.9 g/cm³

Solubility in water, g/100 ml at 20/C: 0.2

ENVIRONMENTAL DATA

NOTES

May contain a small amounts of crystalline silica.

Health effects apply also to hydrated form.

See ICSC 1215 Gypsum.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible