

GYPSUM**1215**
October 2004CAS No: 13397-24-5
RTECS No: MG2360000Calcium sulfate dihydrate
CaSO₄ · 2H₂O
Molecular mass: 172.2

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

SPILLAGE DISPOSALSweep spilled substance into containers; if appropriate, moisten first to prevent dusting.
Personal protection: P1 filter respirator for inert particles.**PACKAGING & LABELLING****EMERGENCY RESPONSE****SAFE STORAGE**

IMPORTANT DATA

Physical State; Appearance

WHITE CRYSTALLINE POWDER OR LUMPS.

Occupational exposure limits

TLV: (as total dust containing no asbestos and <1 % crystalline silica) 10 mg/m³ as TWA; (ACGIH 2004).

MAK: (as respirable fraction of the aerosol, without fibers) 6 mg/m³; (DFG 2004).

Inhalation risk

A nuisance-causing concentration of airborne particles can be reached quickly when dispersed, especially if powdered.

Effects of short-term exposure

May cause mechanical irritation.

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: (see Notes) 100-150/C

Density: 2.3 g/cm³

Solubility in water, g/100 ml at 25/C: 0.24

ENVIRONMENTAL DATA

NOTES

Gypsum is the natural form of the product and may contain crystalline silica. CAS 10101-41-4 refers to Calcium sulfate precipitate, and CAS 7778-18-9 refers to Calcium sulfate anhydrous.

The apparent melting point caused by loss of crystal water is given.

Melting point for the anhydrous form is 1450 /C.

ADDITIONAL INFORMATION

LEGAL NOTICE

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