

CALCIUM MOLYBDATE**0992**
April 2007CAS No: 7789-82-4
RTECS No: EW2975000Calcium molybdenum oxide
Calcium molybdate(VI)
Molybdic acid, calcium salt (1:1)
CaMoO₄
Molecular mass: 200.0

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. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	Safety goggles	Rinse with plenty of water (remove contact lenses if easily possible).
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL

Personal protection: particulate filter adapted to the airborne concentration of the substance. Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting.

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

IMPORTANT DATA

Physical State; Appearance
WHITE CRYSTALLINE POWDER

Chemical dangers

The substance decomposes on heating (at 965/C), producing molybdate oxide fumes.

Occupational exposure limits

TLV: Mo, insoluble compounds, respirable fraction 3 mg/m³ as TWA

TLV: Mo, insoluble compounds, inhalable fraction 10 mg/m³ as TWA (ACGIH 2006).

MAK: IIb (not established but data is available) (DFG 2006).

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 to the eyes, the skin, and the respiratory tract.

PHYSICAL PROPERTIES

Decomposes at 965 /C
Density: 4.4 g/cm³

Solubility in water, g/100 ml at 25/C: (very poor) 0.005

ENVIRONMENTAL DATA

NOTES

Health effects of exposure to the substance have not been investigated adequately.

Environmental effects from the substance have not been investigated.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information