

# CALCIUM FORMATE

1634  
April 2006

CAS No: 544-17-2  
RTECS No: LQ5600000

Calcium diformate  
Formic acid, Ca salt  
 $C_2H_2CaO_4 / Ca(HCO_2)_2$   
Molecular mass: 130.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
<b>EXPLOSION</b>	Finely dispersed particles form explosive mixtures in air.		
<b>EXPOSURE</b>		<b>PREVENT DISPERSION OF DUST!</b>	
<b>Inhalation</b>	Cough.	Local exhaust or breathing protection.	Fresh air, rest.
<b>Skin</b>		Protective gloves.	Rinse skin with plenty of water or shower.
<b>Eyes</b>	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>		Do not eat, drink, or smoke during work.	Rinse mouth.
<b>SPILLAGE DISPOSAL</b>	<b>PACKAGING &amp; LABELLING</b>		
Personal protection: P2 filter respirator for harmful particles. Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water.			
<b>EMERGENCY RESPONSE</b>	<b>SAFE STORAGE</b>		
	Separated from strong oxidants and strong acids.		

## IMPORTANT DATA

**Physical State; Appearance**

WHITE TO YELLOW CRYSTALS OR CRYSTALLINE POWDER.

**Chemical dangers**

The substance decomposes on heating producing flammable hydrogen and irritating fumes (calcium oxalate, carbonate and oxide). Reacts with strong acids and strong oxidants.

**Occupational exposure limits**TLV not established.  
MAK not established.**Inhalation risk**

A harmful concentration of airborne particles can be reached quickly when dispersed

**Effects of short-term exposure**

The substance is irritating to the eyes.

## PHYSICAL PROPERTIES

Melting point (decomposes): >800/C  
Density: (bulk) 1150 kg/m<sup>3</sup>  
Solubility in water, g/100 ml at 20/C: 16Auto-ignition temperature: 475/C  
Octanol/water partition coefficient as log Pow: -2.47

## ENVIRONMENTAL DATA

## NOTES

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

## 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