

CHROMIUM HYDROXIDE SULFATE**1309**

October 2004

CAS No: 12336-95-7
RTECS No: GB6240000Basic Chrome Sulphate
Monobasic chromium sulphate
CrOHSO₄
Molecular mass: 165.1

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		STRICT HYGIENE!	
Inhalation	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves. Protective clothing.	Rinse skin with plenty of water or shower.
Eyes		Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Nausea. Abdominal pain. Vomiting. Diarrhoea.	Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting. Give plenty of water to drink. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Vacuum spilled material. OR Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Do NOT let this chemical enter the environment. Personal protection: P2 filter respirator for harmful particles.	

EMERGENCY RESPONSE	SAFE STORAGE

IMPORTANT DATA

Physical State; Appearance

GREEN POWDER

Chemical dangers

The substance decomposes on heating producing toxic fumes.
The solution in water is a weak acid.

Occupational exposure limits

TLV: (as Cr metal, Cr(III) compounds) 0.5 mg/m³ as TWA; A4;
(ACGIH 2004).
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 respiratory tract.

Effects of long-term or repeated exposure

Repeated or prolonged contact may cause skin sensitization.

PHYSICAL PROPERTIES

Melting point: >900/C
Density: 1.25 g/cm³

Solubility in water, g/100 ml at 20/C: 200

ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms.

NOTES

Chrometan, Tanolin, Neochrome, Chromedol and Chromosal are trade names.
Do NOT take working clothes home.

ADDITIONAL INFORMATION

LEGAL NOTICE

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