

FERROUS OXIDE**0793**
April 2005

CAS No: 1345-25-1

Ferrous monoxide
Iron (II) oxide
C.I. 77489
FeO
Molecular mass: 71.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible under specific conditions.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough.	Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves.	Rinse and then wash skin with water and soap.
Eyes		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 DISPOSAL	PACKAGING & LABELLING
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.	

EMERGENCY RESPONSE	SAFE STORAGE

IMPORTANT DATA

Physical State; Appearance

BLACK SOLID IN VARIOUS FORMS.

Chemical dangers

Depending of the preparation method, the substance may ignite spontaneously on contact of finely divided powder with air or may burn on contact with air when heated above 200/C. The substance readily absorbs carbon dioxide.

Occupational exposure limits

TLV not established.

MAK: (Respirable fraction) 1.5 mg/m³ (DFG 2004).

Inhalation risk

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

Effects of long-term or repeated exposure

The substance may have effects on the lungs, resulting in siderosis.

PHYSICAL PROPERTIES

Melting point: 1360/C
Density: 5.7 g/cm³

Solubility in water: none

ENVIRONMENTAL DATA

NOTES

ADDITIONAL INFORMATION

LEGAL NOTICE

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