

FERROCENE**1512**
April 2004CAS No: 102-54-5
RTECS No: LK0700000Dicyclopentadienyl iron
Di-2,4-cyclopentadien-1-yl iron
 $C_{10}H_{10}Fe / C_5H_5FeC_5H_5$
Molecular mass: 186.0

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, alcohol-resistant foam, water spray, carbon dioxide.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness.	Protective gloves.	Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	Safety goggles.	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
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Personal protection: P1 filter respirator for inert particles.	

EMERGENCY RESPONSE	STORAGE
	Separated from strong oxidants.

IMPORTANT DATA

Physical State; Appearance

ORANGE CRYSTALS, WITH CHARACTERISTIC ODOUR.

Chemical dangers

On combustion, forms toxic fumes. Reacts violently with ammonium perchlorate or tetranitromethane. Reacts with mercury (II) nitrate.

Occupational exposure limits

TLV: (as Fe) 10 mg/m³ as TWA; (ACGIH 2001).
MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation and by ingestion.

Inhalation risk

Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.

Effects of short-term exposure

May cause mechanical irritation.

PHYSICAL PROPERTIES

Boiling point: 249/C
Sublimation point: above 100/C
Melting point: 173/C

Solubility in water: none
Vapour pressure, Pa at 40/C: 4

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