



SAFETY DATA SHEET

COBALT SULPHATE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME:	COBALT SULPHATE
CHEMICAL NAME 2:	COBALT SULPHATE HEPTAHYDRATE
PART No.:	RM082
SUPPLIER:	J M Loveridge plc Southbrook Road, Southampton Hampshire SO15 1BH Tel: 023 8022 2008 Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX No.:	027-005-00-0
EEC (EINECS) No.	233-334-2
CAS No.:	10124-43-3

3. HAZARDS IDENTIFICATION

May cause cancer by inhalation. Harmful if swallowed. May cause sensitisation by inhalation and skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Carcinogen Cat.2

4. FIRST AID MEASURES

GENERAL:	IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION
INHALATION:	Move affected person from exposure. If recovery not rapid or complete seek medical attention.
INGESTION:	DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.
SKIN:	Remove contaminated clothing. Wash affected area with plenty of soap and water. If symptoms occur or persist, obtain medical attention. Launder clothing before re-use.
EYES:	Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids.

Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Non combustible or flammable and normally not a fire risk. Use extinguishing media suitable against surrounding fire or the cause of fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic or corrosive vapours may be released in fire situation.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION IN SPILL:	Avoid direct contact with skin, eyes and clothing. Avoid breathing dust. Wear appropriate protective clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent material from entering drains or water courses. Advise the Environment Agency or relevant local authority if contamination of soil or water systems occurs.
SPILL CLEANUP METHODS:	Cover spillage with damp inert material, take-up or collect and place into a suitable closable labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Minimise creation of air-borne dust by application of good occupational hygiene principles, appropriate control measures and extraction techniques.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
COBALT SULPHATE	10124-43-3	MEL	0.1 mg/m3	

INGREDIENT COMMENTS:	Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits; Exposure is subject to MEL and listed for cobalt and cobalt compounds (as Co).
VENTILATION:	If unable to control dust emissions below recommended limits, an approved respiratory protection must be used at all times at least to (EN 149) FFP 2S level of protection.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Wear approved safety goggles.
OTHER PROTECTION:	Wear protective clothing and closed footwear. Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Red or pink crystals.

SOLUBILITY DESCRIPTION: Soluble in water.

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Avoid excessive heat.

HAZARDOUS DECOMP. PRODUCTS: Thermal decomposition may release noxious, toxic or corrosive gases or vapours. - sulphuric acid, cobalt (oxide) fumes.

11. TOXICOLOGICAL INFORMATION

LD50. Oral. Rat. 424 mg/kg (ingested as solid)

INHALATION: Cobalt bearing dust or mist may cause asthma or chronic pulmonary effects.

INGESTION: Ingestion of large quantities may cause kidney damage. May cause nausea, vomiting or diarrhoea.

OTHER HEALTH EFFECTS: May cause adverse mutagenic effects. Suggested carcinogen.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Toxic to fish.

MOBILITY: Material can potentially percolate into soil. Will dissolve in wet conditions leaving trace amount of elemental cobalt ions in surrounding soil.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

WASTE CLASS: WASTE CODE: 0705** HAZARDOUS PROPERTY: H6, H14

14. TRANSPORT INFORMATION

GENERAL: Not classified as hazardous for transport.

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:**RISK PHRASES:**

R-49 May cause cancer by inhalation.
R-22 Harmful if swallowed.
R-42/43 May cause sensitisation by inhalation and skin contact.
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES:

S-2 Keep out of the reach of children.
S-22 Do not breathe dust.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-53 Avoid exposure - obtain special instructions before use.
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.
S-60 This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION

INFORMATION SOURCES:

This product has been classified in accordance with CHIP3 regulations.(CHIP 2002)

REVISION COMMENTS:

Edition 02; Revised item: Sect.3 and correction to Sect.8

ISSUED BY:

MK

SDS No.:

133

DATE:

03/10/03

DISCLAIMER:

The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.