

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

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

Product information:

Product Name : Cobalt Oxide
Chemical Name : Cobalt Oxide
Synonyms :
Company : CTM Potters Supplies
Unit 10A, Millpark Industrial Estate
White Cross Road
Woodbury Salterton
Nr. Exeter
EX5 1EL
Telephone : 01395-233-077
Fax : 01395-233-905

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	EC Number	% of composition	Classification
Cobalt oxide Co ₃ O ₄	1308-06-1	2151572	>95%	Xn;R22. Xi;R36. N;R50/53. R42/43

3. HAZARD IDENTIFICATION

Inhalation: May cause sensitisation by inhalation.

Ingestion: Harmful if swallowed.

Eyes: Irritating to eyes.

Skin: May cause sensitisation by skin contact.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R22. R42/43. Xi;R36. N;R50/53.

HUMAN HEALTH May cause minor irritation on eye contact. Frequent inhalation of dust over a long period of time increases the risk of developing lung disease. May cause minor irritation on skin contact. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion: Do not induce vomiting. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Seek medical advice.

Eyes: Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation persists after washing.

Skin: Immediately flush with plenty of water for up to 15minutes. Remove any contact lenses and open eyes wide apart. Obtain medical attention and take along these instructions.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Special Fire Fighting Procedures:	N/A
Unusual Fire & Explosion Hazards:	No unusual fire or explosion hazards noted.
Specific Hazards:	Dust may form an explosive mixture in the atmosphere. Fire creates: Oxides of: Cobalt.
Protective Measures in Fire:	Use protective equipment appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions:	Avoid spreading dust or contaminated materials. Do not discharge into drains, water courses or onto the ground.
Spill Clean Up Methods:	Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

7. HANDLING AND STORAGE

Handling:	Do not eat, drink, or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.
Storage:	Store in dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

NAME	Std.	LT-ppm	LT-mg/m3	ST-ppm	ST-mg/m3
Cobalt Oxide			0.1 mg/m3		
Ingredient Comments:	OES = Occupational Exposure Standard.				
Engineering controls:	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.				
Personal protective equipment:	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.				
Hygiene measures:	Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.				

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	powder, dust
Colour:	grey black
Odour:	odourless
Solubility:	Insoluble in water.
Relative Density:	0.9 – 1.3 pH-VALUE, CONC. SOLUTION

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal temperature conditions and recommended use.
Conditions/materials to avoid:	Not known/No incompatible groups noted.
Hazardous decomposition products:	Not known.
Hazardous polymerization products:	Not known.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:	No data recorded.
Inhalation:	May cause sensitisation by inhalation.
Skin Contact:	May cause sensitisation by skin contact.

Health Warnings: Prolonged inhalation of high concentrations may damage respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

General Information: Waste is classified as special waste. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Disposal methods: Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COBALT OXIDE)		
UN NO. ROAD	3077	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous Dangerous substances and Articles.
ADR PACK GROUP	III	HAZARD No. (ADR)	90
ADR LABEL NO.	9	HAZCHEM CODE	2Z
CEPIC TEC(R) NO.	90GM7-III	RID CLASS NO.	9
RID PACK GROUP	III	UN NO. SEA	3077
IMDG CLASS	9	IMDG PACK GR.	III
EMS	F-A, S-F	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	3077
AIR CLASS	9	AIR PACK GR.	III

15. REGULATORY INFORMATION

EC Supply Labelling: Harmful, Dangerous for the environment

Contains: Cobalt Oxide

R-Phrases: R22 harmful if swallowed.
R36 irritating to eyes.
R42/43 may cause sensitisation by inhalation and skin contact.
R50/53 very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrases: S22 do not breathe dust.
S24/25 avoid contact with skin and eyes.
S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 wear suitable gloves.
S45 in case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

UK REGULATORY REFERENCE: Health and Safety at Work Act 1974

EU DIRECTIVES: Dangerous Substance Directive 67/548/EEC.
Dangerous Preparations Directive 1999/45/EEC.
System of Specific Information Relating to Dangerous Preparations 2001/58/EEC.

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE: Safety Data Sheets for Substances and Preparations.
Classification and Labelling of Substances and Preparations Dangerous for supply.

GUIDANCE NOTES: Occupational Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS: Workplace Exposure Limits 2005 (EH40)

16. OTHER INFORMATION

Risk Phases in Full: R22 Harmful if swallowed.
R36 Irritating to eyes.
R42/43 May cause sensitisation by inhalation and skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information:

Data sheet producing department: CTM Potters Supplies
Telephone: 01395-233-077

Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.