

# 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 <sub>3</sub> O <sub>4</sub>	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**

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

**6. ACCIDENTAL RELEASE MEASURES**

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

**7. HANDLING AND STORAGE**

<b>Handling:</b>	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.
<b>Storage:</b>	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		
<b>Ingredient Comments:</b>	OES = Occupational Exposure Standard.				
<b>Engineering controls:</b>	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.				
<b>Personal protective equipment:</b>	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.				
<b>Hygiene measures:</b>	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**

<b>Appearance:</b>	
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**

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

**11. TOXICOLOGICAL INFORMATION**

<b>Toxicology Information:</b>	No data recorded.
<b>Inhalation:</b>	May cause sensitisation by inhalation.
<b>Skin Contact:</b>	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.