

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name	P3405 Black Copper Oxide.
REACH registered name	CUPRIC OXIDE.
REACH registered numbers	01-2119502447-44-0012
CAS number	1317-38-0
EINECS number	215-269-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier	PotteryCrafts Ltd., Campbell Road, Stoke on Trent ST4 4ET. Tel 44 (0)1782 745000 sales@potteryCrafts.co.uk
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1.4. Emergency telephone number

+44(0)1782 745000 Office Hours 08:00-14-14:45 Mon-Fri

2. HAZARD IDENTIFICATION

2.1 Classification according to CPL regulations.

Aquatic Acute 1 :H400

Most important adverse effects. : Very toxic to aquatic life.

2.2 Label Elements.

Hazard statements	H400 : Very toxic to aquatic life.
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Signal words	Warning
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Hazard pictograms	GHS09 Environmental
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Precautionary statements P391 : Collect spillage.

P501 : Dispose of contents/container to approved disposal facility.

PBT : This substance is not identified as a PBT/vPvB substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name Copper (11) Oxide.
CAS no. 1317-38-0
EINECS no. 215-269-1
REACH registered numbers. 01-21195024447-44-0012.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact	Drench the affected skin with running water for 10 minutes, or longer if substance is still on skin. .
Eye contact	Bath the eye with running water for 15 minutes. Consult a doctor.
Ingestion	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation	Remove casualty from exposure, ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most Important Symptoms and effects, both acute and delayed.

SKIN contact. : There may be irritation and redness at the site of contact.

EYE contact : There may be irritation and redness. The eyes may water profusely.

INGESTION : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media : Suitable extinguisher media for the surrounding fire should be used.

5.2 Exposure hazards : In combustion emits toxic fumes.

5.3 Advice for fire fighters. : Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions Refer to Section 8 for personal protection details. If outside, do not approach from downwind. If outside, keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2 Environmental Precautions : Do not discharge into drains or rivers.

6.3 Clean-up Procedures Transfer to closable, labelled salvage container for disposal by appropriate method.

7. HANDLING AND STORAGE

7.1 Handling Precautions Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2 Storage conditions Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage area should be impermeable to prevent the escape of liquids.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
UK	1mg/m ³ (Cu dusts)	2mg/m ³ (Cu dusts)	-	-

DNEL/PNEC

No data available.

8.2 Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area. The floor of the storage area should be impermeable to prevent the escape of liquids.

Respiratory protection Self contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection Protective gloves

Eye protection Safety glasses. Ensure eye bath is to hand.

Skin protection Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Solid
Odour	Odourless
Colour	Black
Oxidising	Non-oxidising (by EC criteria)
Melting point/range.	1326°C
Solubility in water	Insoluble
Relative density	6.48g/cm ³

10. STABILITY AND REACTIVITY

10.1 Reactivity Stable under recommended transport and storage conditions.

10.2 Chemical stability Stable in normal conditions

10.3 Hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid Heat

10.5 Incompatible materials Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products. In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Toxicity values

Route	Species	Test	Value	Units
Oral	RAT	LD50	>2500	mg/kg
Dermal	RAT	LD50	>2000	mg/kg

Symptoms/Routes of exposure

Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation	There may be irritation of the throat, with a feeling of tightness in the chest.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Fish	96HLC50	25	mg/l
Daphnia magna	48HEC50	0.04	Mg/l

12.2 Persistence and degradability Not biodegradable

12.3 Bioaccumulative potential Not applicable.

12.4 Mobility in soil. Insoluble in water.

12.5 PBT identification This substance is not identified as a PBT substance.

12.6 Other adverse effects Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of product A licensed contractor should be used. Local and national regulations should be followed.

14. TRANSPORT INFORMATION

UN no. UN3077

Proper shipping name Environmentally hazardous substance, Solid, NOS
(copper Oxide)

Transport Category 9

Packing Group III

Environmentally hazardous Yes

Special precautions for user.

Tunnel Code E

Transport category 3

15. REGULATORY INFORMATION

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulations (EU) No. 453/2010.

- Indicates text in the SDS which has changed since last revision.

Phrases used in s.2&s.3 : H400 : very toxic to aquatic life.

Legend to Abbreviations. : PNEC : predicted no effect level.

: DNEL : derived no effect level.

: LD50 : median lethal dose.

: LC50 : median lethal concentration.

: EC50 : median effective concentration.

: IC50 : median inhibitory concentration.

: dw : dry weight.

: bw : body weight.

: cc : closed cup

: oc : open cup

MUS : mouse

GPG : guinea pig

RBT : rabbit

HAM : Hamster.

HMN : Human.

MAM : Mammal.

PGN : pigeon.

IVN : Intravenous.

SCU : subcutaneous.

SKN : skin

DRM : dermal.

OCC : ocular/ corneal

PCP : Physico-chemical properties.

<u>Issued By</u>	Product Regulations Dept
<u>Revision Date</u>	06/07/2029
<u>Revision</u>	6
<u>Supersedes date</u>	06/07/2026
<u>SDS No.</u>	000
<u>Safety Data Sheet Status</u>	Approved.
<u>Date</u>	06/07/2026
<u>Risk Phrases in Full</u>	NC: Not classified.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.