

FLINT HIRE & SUPPLY LTD
PRODUCT SAFETY DATA SHEET

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

1.1 Identification of the substance or preparation

Copper Flake Powder – D50 of 9 micron and above

1.2 Use of the substance/preparation

Inorganic (Metallic) Pigment

1.3 Company/undertaking identification

Flint Hire & Supply Ltd
Queens Row
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SE17 2PX

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Fax: 020 7708 4189
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1.4 Emergency Contact Information

020 7703 9786

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2. HAZARDS IDENTIFICATION

Hazard Description : Not applicable

*Information concerning particular hazards
for human and environment* : Not applicable

Classification System is according to latest editions of EU lists and is extended by company and literature data.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description of Material:

Material	:	Flake Copper Powder >99%
CAS No.	:	7440-50-8 (Copper)
EINICS No.	:	231-159-6
Index No.	:	n/d/a
Registration No.	:	No data available.
Danger symbol/R phrases	:	Not applicable

3.2 Hazardous Ingredients : Not applicable

For wording of the listed phrases refer to point 16

4. FIRST AID MEASURES

<i>General Advice:</i>	Take affected persons out of danger area and lay down
<i>Inhalation:</i>	Supply fresh air, consult doctor in case of complaints.
<i>Skin contact:</i>	Wash with mild soap and water. Generally the product does not irritate the skin.
<i>Eye Contact:</i>	Rinse opened eye for several minutes under running water.
<i>Ingestion:</i>	Do not induce vomiting, seek medical attention.

5. FIRE FIGHTING MEASURES

<i>Suitable Extinguishing Media:</i>	Dry sand. Special Powder for metal fires. Fire Blanket, ABC powder. Do not use water!
<i>Extinguishing Media not suitable for safety reasons:</i>	Water.

6. ACCIDENTAL RELEASE MEASURES

<i>Personal precautions:</i>	Wear protective equipment (as described in point 8.) Keep unprotected persons away. Avoid formation of dust. Keep away from ignition sources.
<i>Environmental precautions:</i>	Do not allow product to reach ground water, water bodies or sewerage system.
<i>Methods for cleaning up:</i>	Pick up manually.

7. HANDLING AND STORAGE

7.1 Handling

Store in a cool dry place in tightly closed containers.
Prevent formation of dust.
Any unavoidable deposits of dust must be regularly removed.
Keep away from sources of ignition. No smoking.

7.2 Storage

Store away from flammable substances
Store away from oxidising agents
Protect from water and humidity
Store in a cool dry place in tightly closed containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

Ingredients with limit values that require monitoring in the workplace : Copper 7440-50-8

OES:	<i>Average daily value:</i>	1 mg/m ³ (dust)
	<i>Short term value</i>	2mg/ m ³ (dust)

(Ref: EH40/2005 as consolidated with amendments Oct 2007.)

National exposure control limits must be considered where appropriate.

8.2 Personal Protection

Respiratory protection: Cartridge filter type P 1.

Hand Protection: Gloves: consult manufacturer for suitable specification
A suitable barrier cream is recommended.

Eye Protection: Tight safety goggles.

Body Protection: Protective work clothing

General Safety and Hygiene measures: Do not eat or drink while working with the product.
Keep product away from foodstuffs or feed.
Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance : Copper coloured powder

Odour : Characteristic/odourless

9.2 Important health, safety and environmental information

pH:	:	n/a
Melting Point	:	1083 °C
Flash Point	:	n/a
Flammability	:	Product is not flammable
Autoflammability	:	n/a
Explosive Properties	:	Product does not present an explosion hazard.
Explosion limit	:	n/a
Oxidising Properties	:	n/a
Vapour Pressure	:	n/a
Density	:	8.96 g/cm ³
Solubility in Water	:	Insoluble

9.3 Other Information

Boiling point : 2597 °C
Apparent Density : 0.6-1.4g/cm³

10. STABILITY AND REACTIVITY

No decomposition if used according to specifications.

10.1 Conditions to Avoid

Avoid direct sunlight and building of sparks.
Keep away from sources of ignition and naked flame.

10.2 Materials to Avoid

No dangerous reactions known, refer to storage conditions point 7.

10.3 Hazardous Decomposition Products:

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Oral toxicity : n/d/a
Inhalative toxicity : n/d/a
Dermatological toxicity : n/d/a
Irritation, sensitisation : On skin: No irritant effect
On eye: No irritant effect
No sensitizing effect known.
Additional information : The product is not subject to classification according to the latest version of the EU lists

12. ECOLOGICAL INFORMATION

Ecotoxicity: Generally not hazardous for water, high concentrations of copper could damage water organism. Do not allow to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Product: Must not be disposed of with general waste.
Do not allow to reach sewerage.
European waste catalogue: 12 01 04 non ferrous metal dust and particles.
Used packaging material: May be disposed of as metal waste. Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION:**Land Transport ADR/RID (cross border)**

ADR/RID	:	9
UN Number	:	3077
Packing Group	:	III
Hazard Label	:	9
Tunnel Code	:	E
Description of goods	:	Environmentally Hazardous substance, solid, n.o.s.

Maritime Transport IMDG:

IMDG Class	:	9
UN Number	:	3077
Label	:	9
Packaging group	:	III
EMS	:	F-A, S-F
Marine Pollutant	:	Yes
Proper shipping name	:	Environmentally Hazardous substance, solid, n.o.s.

Air Transport ICAO/IATA-DGR:

ICAO/IATA Class	:	9 packing instructions: Y911, 911
UN Number	:	3077
Label	:	9
Packaging group	:	III
Proper shipping name	:	Environmentally Hazardous substance, solid, n.o.s.

15. REGULATORY INFORMATION

Labelling according to EEC Directives:

<i>Danger symbol:</i>	Non hazardous
<i>R-phrases:</i>	not applicable
<i>S-phrases:</i>	Not applicable
<i>Regulatory information To take into consideration:</i>	Product is not subject to identification regulations under EU lists and other sources of literature known to us

16. OTHER INFORMATION

Products covered by this data sheet include:

Copper Standard
Copper Fine
Copper Lining
Copper Fine Lining
Copper Extra Fine
Copper Super
(This list is not exhaustive)

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Abbreviations used: n/a - not applicable, n/d/a – no data available.
OES – occupational exposure standard

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