

**FLINT HIRE & SUPPLY LTD**  
**PRODUCT SAFETY DATA SHEET**

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**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  
London  
SE17 2PX

Tel: 020 7703 9786

Fax: 020 7708 4189

Email: [sales@flints.co.uk](mailto:sales@flints.co.uk)

Web: [www.flints.co.uk](http://www.flints.co.uk)

**1.4 Emergency Contact Information**

020 7703 9786

e-mail [sales@flints.co.uk](mailto:sales@flints.co.uk)

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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.

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### 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*

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### 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.

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### 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.

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### 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.

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### 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.

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## 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 <sup>3</sup> (dust)
	<i>Short term value</i>	2mg/ m <sup>3</sup> (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.

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## 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 <sup>3</sup>
Solubility in Water	:	Insoluble

**9.3 Other Information**

Boiling point : 2597 °C  
Apparent Density : 0.6-1.4g/cm<sup>3</sup>

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**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.

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**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

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**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.

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**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.

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**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)

Issue Date : 09 June 2010  
Revision Number : 1  
Safety Data Sheet N<sup>o</sup>. : RB7

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

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