

Section 1. Identification**1.1 Product Identifier** CHE1654SE

Product Name COPPER METAL POWDER (electrolytic) 100g.

CAS Number 7440-50-8

REACH Registration No Not applicable

Molecular Formula $Cu = 63.55$ **1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

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(Have this document to hand)**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Hazard to aquatic environment, category 1 (Aquatic Acute 1). Hazard to aquatic environment, category 1 (Aquatic Chronic 1).

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Signal word Warning

Hazard Pictograms



Hazard Statements Very toxic to aquatic life with long lasting effects.

Precautionary Statements Avoid release to the environment. Collect spillage.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	Conc w/w	CLP Classification (1272/2008/CE)
Copper	7440-50-8		> 99.0 %	Aquatic Acute 1, Aquatic Chronic 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open.
Skin	Wash off skin thoroughly with water.
Inhalation	Remove from exposure.
Ingestion	Not normally considered as an industrial hazard. If large quantities are ingested seek medical attention.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Use dry sand or special metal fire extinguishing powder.
Unsuitable Media	Do not use high pressure extinguishers or water jets.

5.2 Special hazards arising from the substance or mixture

Hazards	Does not constitute a fire hazard but will burn if involved in a fire.
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5.3 Advice for firefighters

Advice for firefighters	Consider all other materials in the vicinity.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Wear appropriate protective clothing.
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6.2 Environmental precautions

Environmental	Keep material out of sewers, storm drains, surface waters and soil.
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6.3 Methods and material for containment and cleaning up

Major Spillage	Sweep up, place in a bag and hold for waste disposal.
Minor Spillage	Sweep up, place in a bag and hold for waste disposal.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

No specific precautions.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage .

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period	
Copper	7440-50-8	>99%	-	-	-	-

8.2 Exposure controls

Respiratory Protection	Use only in a chemical fume hood.
Hand Protection	Wear gloves.
Eye Protection	No specific hazard through eye contact although the wearing of safety glasses is advised.
Skin Protection	Presents no significant hazard through skin contact.
Special Hazards	No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Pale pink powder.
Odour	No specific odour.
pH	Not applicable
Boiling Point	2595°C
Melting Point	1080°C
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Explosive Properties	Can form explosive dust clouds.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	8.9000
Water Solubility	Insoluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity	No data available.
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
10.5 Incompatible Materials	Sulphuric acid. Bromine. Halogens and halogen compounds. Potassium. dioxide. Iodides. Chlorates.
10.6 Hazardous Decomposition Products	May produce hazardous fumes if involved in a fire.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Presents no significant health hazard to the eyes.
Skin	Presents no significant hazard by skin contact.
LD50 Skin	Not available

Ingestion	Presents no significant hazard by ingestion.
LD50 Oral	Not available
Inhalation	Presents no significant health hazard by inhalation.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

Section 12. Ecological

12.1 Toxicity	Very toxic to aquatic life with long lasting effects.
LC50 Algal	Not available
LC50 Crustacea	Not available
LC50 Fish	Not available
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT & vPvB assessment	Assessment not required.
12.6 Other adverse effects	None known at present.

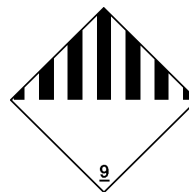
Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water.

Section 14. Transport Information

14.1 UN Number	3077
14.2 Proper Shipping Name	Environmentally Hazardous Substance, Solid, N.O.S. (Copper)
14.3 Transport classes	
UN classification	9
Subsidiary Risk	None
Transport category	3
ADR Hazard ID	90
Tunnel Restriction Code	E
14.4 Packing Group	III
14.5 Environment hazards	Marine pollutant.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification	Hazard to aquatic environment, category 1; Hazard to aquatic environment, category 1
Signal word	Warning

Hazard Pictograms



Hazard Statements H410
Very toxic to aquatic life with long lasting effects.

Precautionary Statements P273, P391
Avoid release to the environment. Collect spillage.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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