

COPPER FINE POWDER AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: 02949
□□□□□□: 4/9/2014 □□□□□□: 1/23/2025 □□□□: 5/23/2016 □□: 1.0

□□ 1: □□□□□ □□□ □□ □□

1.1. □□□□

□□ □□	:	□□
□□□	:	COPPER FINE POWDER AR
EC □□ □□	:	029-024-00-X
EC □□	:	231-159-6
CAS □□	:	7440-50-8
□□ □□	:	02949
□□ □□	:	Metallic powders
□□□	:	Cu
□□ □□	:	



□□□ : Cu powder

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

□□ □□ □□	:	Industrial
□□/□□□ □□ □□	:	For professional use only
□□□□/□□□□ □□	:	Laboratory chemicals
		□□□ □□

1.3. □□□□□□□□ □□□ □□

LOBA CHEMIE PVT.LTD.
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info@lobachemie.com, www.lobachemie.com

1.4. □□□□□□

□□ □□ □□ : + 91 22 6663 6663 (9:00am - 6:00 pm)

□□ 2: □□□·□□□

2.1. □□□·□□□ □□

Regulation (EC) No.1272/2008 [CLP]□ □□ □□

□□□ □□, □□ 1	H228
□□□□ □□□ – □□, □□ 1	H400
□□(H) □□ □ EUH □□ □□: 16□ □□.	

□□□□□, □□ □□ □ □□□□□□□
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2.2. □□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008 □□ □□ □□ [CLP]

□□ □□ □□□□(CLP)



COPPER FINE POWDER AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

	GHS02	GHS09
□□□ (CLP)	: □□	
□□·□□ □□ (CLP)	: H228 - □□□ □□.	
	H400 - □□□□□□ □□ □□□.	
□□ □□ □□(CLP)	: P210 - □·□□□ □□·□□□·□□·□□ □□□□□□ □□□□□. □□.	
	P273 - □□□□ □□□□ □□□.	

2.3. □□ □□

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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3.1. □□□□

□□ □□ : □□□□□□

□□	□□□□	%
COPPER FINE POWDER	CAS □□: 7440-50-8 EC □□: 231-159-6 EC □□ □□: 029-024-00-X	100

□□ 4: □□□□□□

4.1. □□□□ □□

□□ □□ □□ : If you feel unwell, seek medical advice.
□□□□ □□ : □□□ □□□ □□ □□□ □□□□ □□ □□□ □□□□□□. Allow affected person to breathe fresh air. Allow the victim to rest.
□□□ □□□□ □□ : □□□ □□□ □□ □□□□. □□□ □□□ □□□□ □□□ □□□ □□ □□□ □□ □□□ □□ □□□ □□□□. □□□□ □□/□□□ □□□□. Wash skin with plenty of water.
□□ □□□□ □□ : □ □□ □□ □□□□ □□□□. □□□□ □□□□□□□ □□□□□. □□ □□□□. □□□□ □□/□□□ □□□□□
□□□ □□ : □□ □□□□□. Do not induce vomiting. □□□□ □□□ □□□□(□□)□ □□□ □□□□□.
First-aid measures for first aider : □□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□.

4.2. □□ □ □□□□ □□ □□□ □□ □ □□

□□ □ □□/□□ : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
□□ □□ □ □□/□□ : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
□ □□ □ □□/□□ : None under normal conditions. Dust from this product may cause eye irritation.
□□ □ □□/□□ : None under normal conditions.

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

□□ 5: □□·□□□ □□□□

5.1. □□□ □□□

□□□ □□□ : Carbon dioxide. Dry powder. Water spray. Foam.
□□□□ □□□ : Do not use a heavy water stream.

5.2. □□□□□□□ □□□ □□ □□□

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COPPER FINE POWDER AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

7.3. □□ □□ □□

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8. 8: □□□□ □ □□□□□

8.1. □□ □□ □□

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8.2. □□□□

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Ensure good ventilation of the work station.

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Wear recommended personal protective equipment.

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□ □□:

Chemical goggles or safety glasses

Skin protection

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Wear a mask

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Protective gloves

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Wear appropriate mask

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9. 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

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: Reddish brown.

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: Powder.

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: 63.55 g/mol

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: Odourless.

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: 1083 °C

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: □□□□

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: 2580 °C

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: 100 °C

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COPPER FINE POWDER AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

□□ □□	:	□□□□
pH	:	□□□□
pH □□	:	□□□□
□□(□□□)	:	□□□□
□□□	:	□: Insoluble in water
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
□□□	:	□□□□
50°C□□□ □□□	:	□□□□
□□	:	8.94 g/cm ³ at 25 °C
□□	:	□□□□
20°C□□□ □□ □□ □□	:	□□□□
Particle size	:	□□□□

9.2. □ □□ □□□□

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□□ 10: □□□ □ □□□

10.1. □□□

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10.2. □□□ □□□

Stable under normal conditions.

10.3. □□ □□□ □□□

No dangerous reactions known under normal conditions of use.

10.4. □□□ □ □□

Open flame. □. Sparks. □□□ □□□ □□□ □□□□. □□, □□□, □□□□ □□ □□□□□□.

10.5. □□□ □ □□

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10.6. □□□ □□□□ □□□□

May release flammable gases.

□□ 11: □□□ □□ □□

11.1. □□ (EC) No 1272/2008 □ □□□, □□□ □□□ □□ □□

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□□ □□□□ □□ (□□ □□)	:	□□□□ □□
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COPPER FINE POWDER AR (7440-50-8)

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COPPER FINE POWDER AR

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

11.2. □□ □□ □□

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12: □□□ □□□ □□

12.1. □□

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12.2. □□□ □ □□□

COPPER FINE POWDER AR (7440-50-8)

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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

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12.6. □□□ □□ □□

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12.7. □□ □□ □□

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13: □□□ □□□□

13.1. □□□ □□□

□□ □□(□□□)	:	Disposal must be done according to official regulations.
□□□ □□□	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
□□ □□ □□ □□	:	Disposal must be done according to official regulations.
□□/□□ □□ □□□□	:	□□, □□, □□ □/□□ □□ □□□ □□ □□□□ □□ □□ □□□ □□ □□ □□□□ □□□□□□.
	:	Disposal must be done according to official regulations.
□□ □□	:	Handle empty containers with care because residual vapours are flammable. Do not re-use empty containers.

14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID □□ □□

14.1. UN □□ □□ ID □□

UN-□□(ADR)	:	UN 3089
UN-□□ (IMDG)	:	UN 3089
UN-□□(IATA)	:	UN 3089
UN-□□(ADN)	:	UN 3089
UN-□□(RID)	:	UN 3089

COPPER FINE POWDER AR

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14.2. UN □□ □□□

□□ □□ (ADR)	:	□□ □□, □□□, □□ □□□ □□ □□ □
□□ □□ (IMDG)	:	METAL POWDER, FLAMMABLE, N.O.S.
□□ □□ (IATA)	:	Metal powder, flammable, n.o.s.
□□ □□ (ADN)	:	□□ □□, □□□, □□ □□□ □□ □□ □
□□ □□ (RID)	:	□□ □□, □□□, □□ □□□ □□ □□ □
□□ □□ □□ (ADR) (ADR)	:	UN 3089 □□ □□, □□□, □□ □□□ □□ □□ □ (Copper Fine Powder), 4.1, II, (E), □□□ □□
□□ □□ □□ (IMDG)	:	UN 3089 METAL POWDER, FLAMMABLE, N.O.S., 4.1, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
□□ □□ □□ (IATA)	:	UN 3089 Metal powder, flammable, n.o.s. (Copper Fine Powder), 4.1, II, ENVIRONMENTALLY HAZARDOUS
□□ □□ □□ (ADN)	:	UN 3089 □□ □□, □□□, □□ □□□ □□ □□ □, 4.1, II, □□□ □□
□□ □□ □□ (RID)	:	UN 3089 □□ □□, □□□, □□ □□□ □□ □□ □, 4.1, II, □□□ □□

14.3. □□□□□ □□□ □□

ADR

□□□□□ □□□ □□ (ADR)	:	4.1
□□ □□ (ADR)	:	4.1
	:	



IMDG

□□□□□ □□□ □□ (IMDG)	:	4.1
□□ □□ (IMDG)	:	4.1
	:	



IATA

□□□□□ □□□ □□ (IATA)	:	4.1
□□ □□ (IATA)	:	4.1
	:	



ADN

□□□□□ □□□ □□ (ADN)	:	4.1
□□ □□ (ADN)	:	4.1
	:	



RID

□□□□□ □□□ □□ (RID)	:	4.1
□□ □□ (RID)	:	4.1
	:	



14.4. □□□□

□□ □□ (ADR)	:	II
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COPPER FINE POWDER AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

□□ □□(IMDG) : II
□□ □□ (IATA) : II
□□ □□(ADN) : II
□□ □□(RID) : II

14.5. □□ □□□□

□□□□ □□ : □□
□□□□□□ : □□
EmS-No. (□□) : F-G
EmS-No. (□□) : S-G
□ □□ □□□□ : □□ □□ □□ □□

14.6. □□□□ □□ □□ □□□□

□□ □□ :
□□ □□(ADR) : F3
□□ □□(ADR) : 552
□□□(ADR) : 1kg
□□□(ADR) : E2
□□ □□(ADR) : P002, IBC08
□□ □□ (ADR) : B4
□□ □□ □□ □□ □□(ADR) : MP11
□□□□ □□ □□ □□□□ □□ (ADR) : T3
□□□□ □□ □□ □□□□ □□ □□ (ADR) : TP33
□□ □□(ADR) : SGAN
□□ □□□□ □□ : AT
□□ □□(ADR) : 2
□□ □□ □□ □□ - □□(ADR) : V11
□□ □□ □□(Kemler □□) : 40

Orange plates (□□□□□□) : 


□□ □□ □□ (ADR) : E
EAC □□ : 4Y

□□ □□ :
□□ □□(IMDG) : 1 kg
□□□(IMDG) : E2
□□ □□ (IMDG) : P002
IBC □□ □□(IMDG) : IBC08
IBC □□ □□ (IMDG) : B21, B4
□□ □□ (IMDG) : T3
□□ □□ □□ (IMDG) : TP33
□□ □□ (IMDG) : B
□□ □□□(IMDG) : H1
□□(IMDG) : SGG7, SGG15, SG17, SG25, SG26
MFAG-□□ : 170

□□ □□ :
PCA □□ □□(IATA) : E2
PCA □□ □□(IATA) : Y441
PCA □□ □□ □□ □□ □□□(IATA) : 5kg
PCA □□ □□(IATA) : 445
PCA □□ □□□(IATA) : 15kg
CAO □□ □□(IATA) : 448
CAO □□ □□□(IATA) : 50kg
□□ □□(IATA) : A3, A803
ERG □□(IATA) : 3L

□□ □□ □□ :
□□ □□(ADN) : F3
□□ □□(ADN) : 552

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□□□□□□□□

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□□□(ADN) : 1 kg
□□□(ADN) : E2
□□ □□(ADN) : PP
□□ □□/□□□ □□(ADN) : 1

□□ □□
□□ □□(RID) : F3
□□ □□(RID) : 552
□□ □□(RID) : 1kg
□□□(RID) : E2
□□ □□ (RID) : P002, IBC08
□□ □□ (RID) : B4
□□ □□ □□ □□ □□(RID) : MP11
□□□ □□ □ □□ □□□□ □□ (RID) : T3
□□□ □□ □ □□ □□□□ □□ □□ (RID) : TP33
RID □□□ □□ □□(RID) : SGAN
□□ □□(RID) : 2
□□ □□ □□ □□ - □□(RID) : W1
□□ □□□ : CE10
□□□ □□ □□ (RID) : 40

14.7. □□□□□□(IMO) □□ □□ □□ □□

□□□□

□□ 15: □□ □□□□

15.1. □□, □□ □□□□ □□□□ □□□□ □□ □□ □□/□□

EU □□

REACH □□□ XVII (□□ □□)

EU restriction □□ (REACH Annex XVII)	
□□ □□	□□ □□
40.	COPPER FINE POWDER AR

REACH □□□ XIV (□□ □□)

REACH □□□ XIV (□□ □□) □□ □□ □□

REACH □□ □□ □□ (SVHC)

REACH □□ □□□ □□ □□ □□ □□

PIC □□ (□□□□□□)

PIC □□□ □□ □ □(□□ EU 649/2012)

POP □□ (□□□ □□ □□□□)

POP □□□ □□ □ □(□□ EU 2019/1021)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

□□□□ □□(428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

□□ □□□□ □□ (2019/1148)

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COPPER FINE POWDER AR

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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□□

VOC ordinance (ChemVOCFarbV) :

WGK : WGK 3, □□ □□ □□□ (Classification according to AwSV).

□□ □□ □□(12. BImSchV) : □□ □□ □□(12. BImSchV)□ □□ □□ □□

□□□□

SZW-lijst van kankerverwekkende stoffen : □□□ □□

SZW-lijst van mutagene stoffen : □□□ □□

SZW-lijst van reprotoxische stoffen – Borstvoeding : □□□ □□

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : □□□ □□

SZW-lijst van reprotoxische stoffen – Ontwikkeling : □□□ □□

□□□

Class for fire hazard : □□ III-1

Store unit : 50 liter

□□ □□ □□ □□ : □□□□ □□□□ □□ □□□; □□□ □□ □□□ □□ □□ □□□ □□□□ □□□□

15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

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ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	□□ □□ □
BOD	Biochemical oxygen demand (BOD)
CAS □□	□□□□ □□ □□ □□(CAS)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	□□□ □□ □□□
CSA	□□ □□ □□□ □□
DMEL	Derived Minimal Effect level
DNEL	□□ □□□ □□
EC □□	□□ □□□ □□
EC50	Median effective concentration
ED	□□□ □□□□
EN	□□ □□
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

