

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 27.05.2011

Revision: 27.05.2011

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Cosmetic Metallic Powder Visionaire ...
 - ... Bright Cinnamon
 - ... Bright Lava
 - ... Cinnamon
 - ... Lava
 - (Copper powder (SiO₂ - coated))
- **MSDS number:** COSC1
- **CAS Number:**
7440-50-8
- **EINECS Number:**
231-159-6
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Pigment
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ECKART GmbH
Güntersthal 4
D-91235 Hartenstein
- **Further information obtainable from:**
O-SE-RA
Tel. +49 (0)9152 - 77 4492
Angelika.HartlGunselmann@altana.com
- **Emergency telephone number:**
GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
From Outside US: (001) 352-323-3500
(First call in English / Response in your language is possible)
Toll free (US&Canada): 1-800-5355053

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



N; Dangerous for the environment

R50: Very toxic to aquatic organisms.

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

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**



GHS09

- **Signal word** *Warning*
- **Hazard statements**
H400 Very toxic to aquatic life.
- **Precautionary statements**
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

3 Composition/information on ingredients

- **Chemical characterization:** *Substances*
- **CAS No. Description**
7440-50-8 copper
- **Identification number(s)**
- **EINECS Number:** *231-159-6*

4 First aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out into the fresh air.
Take affected persons out of danger area and lay down.
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *If symptoms persist consult doctor.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Dry sand
Special powder for metal fires. Do not use water.
ABC powder
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** *Water*

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· **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

Keep away from ignition sources.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow product to reach sewage system or any water course.

· **Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect from heat.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:**

Store away from flammable substances.

Store away from oxidizing agents.

· **Further information about storage conditions:**

Protect from humidity and water.

Keep container tightly sealed.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

7440-50-8 copper

OES ()	Long-term value: 2** mg/m ³ , 0.2* I** ppm
	*fume **dusts and mists

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· **DNELs****7440-50-8 copper**

long-term syst. eff.	0.041 mg/kg bw/d (human)
short-term syst. eff.	0.082 mg/kg bw/d (human)

· **PNECs****7440-50-8 copper**

STP	230 g/l (environmental)
Sediment estuarine	288 mg/kg dry weight (environmental)
Sediment freshwater	87 mg/kg dry weight (environmental)
Sediment marine	676 mg/kg dry weight (environmental)
Soil	65.5 mg/kg dry weight (environmental)
freshwater	7.8 µg/l (environmental) (dissolved Cu)
marine water	5.2 µg/l (environmental) (dissolved Cu)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.
 Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.

· **Respiratory protection:** Filter P1· **Protection of hands:**

Leather gloves

Preventive skin protection by use of skin-protecting agents is recommended.

Prior to contact with the waterinsoluble substance / product / preparation apply watersoluble skin-protecting agent (fat-free film former or O/W-emulsions).

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Powder
Colour:	Copper coloured
Odour:	Odourless

pH-value:	Not applicable.
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· **Change in condition**

Melting point/Melting range:	1083°C
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Boiling point/Boiling range:	2597°C
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Product is not flammable.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	0 hPa
· Density:	8.96 g/cm ³
· Relative density	Not determined.
· Solubility in / Miscibility with water:	Insoluble.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used and stored according to specifications.
 No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Generally not hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

12 01 04	non-ferrous metal dust and particles
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.
- **Danger code (Kemler):** 90
- **UN-Number:** 3077
- **Packaging group:** III
- **Hazard label** 9
- **Special marking:** Symbol (fish and tree)
- **UN proper shipping name:** 3077 UMWELTGEFÄHRDENDER STOFF, FEST, N.A.G. (Kupfermetall, pulverförmig)
3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper metal powder)
- **Limited quantities (LQ)** LQ27
- **Transport category** 3
- **Tunnel restriction code** E

- **Maritime transport IMDG:**
- **IMDG Class:** 9
- **UN Number:** 3077
- **Label** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** Yes
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper metal powder)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3077
- **Label** 9
- **Special marking:** Symbol (fish and tree)
- **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper metal powder)

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.**

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15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
III	50-100

- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** O-SE-RA Regulatory Affairs

- **Contact:**

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- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)

- *** Data compared to the previous version altered.**

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