

MATERIAL SAFETY DATA SHEET

COPPER TRIPEPTIDE-1



1 PRODUCT & COMPANY IDENTIFICATION

| | | | |
|--------------------------|--|------------------|---|
| Product Name: | Copper Tripeptide-1 | Supplier: | ASES CHEMICAL WORKS. |
| Alternative Name: | Copper tripeptide-1; Oristar GHK-Cu | Address: | Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India |
| CAS Number: | 89030-95-5 | Phone: | +91-9636889954 |
| Formula | C ₁₄ H ₂₄ N ₆ O ₄ Cu | Web: | www.ases.in |
| Product Form: | Powder | Email : | ecom@ases.in |
| Product Use: | Industrial and scientific research uses. | | |

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

No data available

Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms No data available

Signal word No data available

Hazard effects No data available

Prevention: No data available

Other hazards No data available

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No | Formula | Weight% |
|---------------------|------------|--|---------|
| Copper Tripeptide-1 | 89030-95-5 | C ₁₄ H ₂₄ N ₆ O ₄ Cu | 98% |

4 FIRST AID MEASURES

General advice: If you feel unwell, seek medical advice.

Eye Contact: Flush eyes with water as a precaution . Get medical attention if irritation persists.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Not applicable.

Extinguishing Procedures: Wear self-contained breathing apparatus for fire-fighting if necessary

Specific chemical hazards: no data available.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid dust formation. Avoid breathing mist, gas or vapors., Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental precautions Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

Methods for cleaning up Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. material should be promptly disposed of, in accordance with appropriate laws and regulations.

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7 HANDLING & STORAGE

Handling : Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

Storage : Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from food stuff containers or incompatible materials.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters No data available

Exposure controls Handle in accordance with good industrial hygiene and safety practice.

Eye/face protection Face shield and safety glasses Use government standards approved equipment for eye protection.

Skin protection Wear fire/flammable resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands.

Body Protection Wash thoroughly after handling.

Respiratory protection If exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|-------------------|--|-------------------|
| Physical state | Solid | Decomposition temperature | no data available |
| Colour | Blue powder | pH | no data available |
| Odour | no data available | Kinematic viscosity | no data available |
| Melting point | 129.3 °C | Solubility | Water |
| Boiling point | no data available | Partition coefficient n-octanol/water | no data available |
| Flammability | no data available | Vapour pressure | no data available |
| Explosion limit | no data available | Relative density | no data available |
| Flash point | no data available | Vapour density | no data available |
| Auto-ignition temperature | no data available | Particle characteristics | no data available |

10 STABILITY AND REACTIVITY

Reactivity: No data available.

Stability: Stable under recommended storage conditions.

Hazardous Polymerization: No data available.

Incompatibility Material: No data available.

Hazardous decomposition products: No data available.

11 TOXICOLOGICAL INFORMATION

Acute toxicity No human toxicity studies have been carried out with this product. No animal toxicity studies have been carried out with this product.

Carcinogenicity Not listed as a carcinogen by NTP.

Reproductive toxicity No data available

STOT – single/ repeated exposure No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity : No ecological studies have been carried out on this product.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

PBT and vPvB Assessment: No data available

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13 DISPOSAL CONSIDERATIONS

Waste Residues: The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated Packaging Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14 TRANSPORT INFORMATION

Proper Shipping Name (ADR/RID/ADN/IMDG/ICAO-IATA):

Not dangerous goods

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

Chemical safety assessment : For this product a chemical safety assessment was not carried out.

16 OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.