

Gme-1020 Copper Powder**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier****Product name** Gme-1020 Copper Powder**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use for brazing copper to copper or copper-based powders.

1.3. Details of the supplier of the safety data sheet**Manufacturer** GÜVEN METAL SAN.VE TİC.LTD.ŞTİ.

Sanayi mah. 60001 nolu cadde No:47

27110 Şehitkamil / Gaziantep

Tel : +90 342 2350225

Fax : +90 342 2350154

info@guvenmetal.com.tr**1.4. Emergency telephone number : +90 342 2350225****2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

2.2. Label elements (Regulation (EC) No 1272/2008 [CLP])**Hazard pictogram(s)** : -**Signal word(s)** : -**Hazard statement(s)** : -**Precautionary statement(s)** : -**2.3. Other hazards** : -**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Chemical identity	EC No.	CAS No.	Concentration range (%)	Classification (CLP)
Copper	231-159-6	7440-50-8	99,90-99,99	-

About the composition

> The data is most recent in A.B. It is given in accordance with the regulations.

4. FIRST AID MEASURES**4.1. Description of first aid measures****General Information**

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In case of any discomfort, seek medical advice.

Breathing

Immediately remove exposed person to fresh air. Provide rest, warmth and fresh air. In case of any discomfort, seek medical advice.

Swallowing

Do not induce vomiting. Never give anything to an unconscious person. Get medical attention immediately.

Skin Contact

Remove contaminated clothing. Immediately wash skin with soap and water. If symptoms occur after washing, consult a doctor.

Eye Contact

Any contact lenses should be removed before washing the eyes. Immediately flush eyes with plenty of water. Rinse for at least 15 minutes and call a healthcare professional.

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

No data available.

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

No special treatment was recommended. Treat according to symptoms.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Metal fire powders, sand.

Unsuitable extinguishing media : Water, carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Unusual fire and explosion hazards

Metal oxides may be formed.

Special hazards : -

5.3. Advice for firefighters

Containers should be cooled by spraying water.

Protective equipment

Suitable overalls, gloves, eye and face protection and respirators should be used.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures :-

6.2. Environmental precautions

Discharge into the environment should be prevented.

6.3. Methods and material for containment and cleaning up

Large spills : In its original packaging, keep it tightly closed in a cool and dry place.

6.4. Reference to other sections : -

Gme-1020 Copper Powder**7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Wash thoroughly with water after handling. Do not eat, drink or smoke while using this product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Suitable packaging material : It should be kept in its original packaging, in a cool and dry place. The mouth should be tightly closed when not in use.

Store away from : It should be kept away from strong bases and strong acids.

7.3. Specific end use(s) : -**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters : -****8.2. Exposure controls****Personal Protective Equipment****Respiratory Protection Measures**

If permitted levels are exceeded, a NIOSH approved dust mask should be used.

Hands Protection

Wear protective gloves / protective clothing / eye protection / face protection.

Eye Protection

Use protective glasses.

Skin Protection

Wear impervious gloves and protective clothing.

Health Measures

Ensure adequate ventilation.

Wash hands immediately after handling the product and before stopping work.

Do not eat, drink or smoke while using this product.

Environmental Exposure Controls : -**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	: Powder/Solid
Color	: Copper colour
Flash point	: -
Melting range	: 1085 °C
Working Temp.	: 1090 °C
Solubility in water	: Non-soluble

9.2. Other information : -**10. STABILITY AND REACTIVITY**

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- 10.1. Reactivity : -
- 10.2. Chemical stability : It is stable under normal conditions.
- 10.3. Possibility of hazardous reactions : -
- 10.4. Conditions to avoid : -
- 10.5. Incompatible materials : Strong oxidizers and moisture.
- 10.6. Hazardous decomposition products : Copper oxides can form.

11. TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects : -

12. ECOLOGICAL INFORMATION

- 12.1. Toxicity : -
- 12.2. Persistence and degradability : -
- 12.3. Bioaccumulative potential : -
- 12.4. Mobility in soil : -
- 12.5. Results of PBT and vPvB assessment : -
- 12.6. Other adverse effects : It should not be spilled into the environment.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

When dealing with waste, safety precautions will be taken when handling the product itself.

14. TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN/IMDG) : -

14.2. UN proper shipping name

Proper shipping name : -

14.3. Transport hazard class(es)

ADR/RID/ADN/IMDG class no : -

ADR/RID/ADN class : -

ADR label no. : -

Transportation Labels : -

14.4. Packing group

ADR/RID/ADN/IMDG packing group : -

14.5. Environmental hazards

Environmentally hazardous substance/Marine pollutant: -

14.6. Special precautions for user : -

Limited amount : -

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Hazard no.(ADR) : -
Tunnel restriction code : -
Emergency action code : -

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

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

National Legislation

Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)

Restricted Substances : -

Prohibited Substance Information : -

Inventory Information : -

15.2. Chemical safety assessment

There is no application.

16. OTHER INFORMATION

Abbreviations

WEL : Workplace Exposure Limit

STEL : Short-term exposure limit

ATE : Acute Toxicity Estimation

EC No : European Community number

CAS : Chemical Abstracts Service Number

UN : United Nations

ADR : European Convention on the International Carriage of Dangerous Goods by Road

ADN : European Convention on the International Carriage of Dangerous Goods by
Inland Waterways

IMDG : International Maritime Dangerous Goods

RID : European Convention on the International Carriage of Dangerous Goods by Rail

LC50 : The concentration of substance causing 50% (half) death in the group of test animals.

LD50 : Dose causing 50% (half) death in the group of test animals (Median Deadly Dose).

PBT : Persistent, Bioaccumulative and Toxic Substances.

vPvB : Very Persistent, Very Bioaccumulative.

Information Resources

Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)

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Justification for classification : -

All Hazard Statements : No hazard statement available.

Further Information:

The above information is believed to be correct but does purport to be all inclusive and shall be used only as a guide. Sentes-BIR shall not be held liable for any damage resulting from handling or from contact with the above product. For internal use only.