

**SAFETY DATA SHEET**

(Commission Regulation (EU) 2015/830 of 28 May 2015 )

**Gme-1030 Copper Powder**

Product : Gme-1030 Copper Powder  
Document Code : AG-F-159  
Prepared at : 12/09/2018  
Revised at : 11/06/2020  
Revision No : 01  
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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name Gme-1030 Copper Powder

**1.2. Relevant identified uses of the substance or mixture and uses advised against.**

Use for brazing copper to copper or copper powder.

**1.3. Details of the supplier of the safety data sheet**

Manufacturer : GÜVEN METAL SANAYİ VE TİCARET LİMİTED ŞİRKETİ  
Address : Sanayi mah. 60001 nolu cadde No:47  
Tel : +90 342 2350225  
Fax : +90 342 2350154  
Mail : info@guvenmetal.com.tr  
web : www.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****3.1. 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

&gt; 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

In case of any discomfort, seek medical advice.

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#### **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**

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

#### **6.5. Reference to other sections : -**

### **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.

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**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**

<b>Appearance</b>	: Powder/Solid
<b>Colour</b>	: Copper colour
<b>Flash point</b>	: -
<b>Melting range</b>	: 1085 °C
<b>Working Temp.</b>	: 1090 °C
<b>Solubility in water</b>	: Non-soluble
<b>Other information</b>	: -

### **10. STABILITY AND REACTIVITY**

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

### **11. TOXICOLOGICAL INFORMATION**

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**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** : -  
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** : -

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**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)

**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.  
**GUVEN METAL** shall not be held liable for any damage resulting from handling or from contact with the above product.  
For internal use only.