

**Material Safety Data Sheet (MSDS)**

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE**

**1.1 Product identifiers**

Product name : ME141XGP-FA10  
Product Number : ME141XGP-FA10  
Brand : ME141XGP-FA10  
ISO 17672: CU 141

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

Identified uses : Braze-welding

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

Company : LINBRAZE S.r.l.  
Contrada Torre Chimera  
93019 Sommatino (ITALY)  
Telephone : +39 0922 871694  
Fax: +39 0922 709064  
E-mail address : info@linbraze.com

**1.4 Emergency telephone number**

Emergency Phone : +39 02 6610 1029 (Centro Antiveleni Niguarda Milano)

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**  
Specific target organ toxicity - single exposure (Category 3)  
Skin sensitization (Category 1)

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
May cause sensitization by skin contact. Irritating to respiratory system.

**2.2 Label elements**

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram:



Signal word:

Warning

Hazard statement(s)

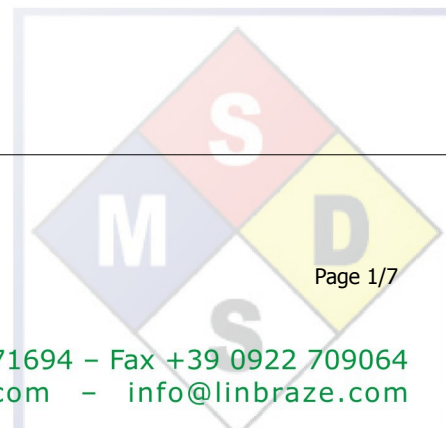
H317

May cause an allergic skin reaction.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.



## Material Safety Data Sheet (MSDS)

P280	Wear protective gloves.
Supplemental Hazard Statements	None
<b>According to European Directive 67/548/EEC as amended.</b>	
Hazard symbol(s)	
R-phrases(s)	
R43	May cause sensitization by skin contact.
S-phrases(s)	
S24	Avoid contact with skin.
S37	Wear suitable gloves.

### 2.3 Other hazards

none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Formula :	<b>Copper</b> 99,90 %	CAS-No. 7440-50-8	EC-No. 231-159-6
	<b>Phosphorus</b> 0,075 %	CAS-No. 1317-39-1	EC-No. 215-270-7
	<b>ethane-1,2-diol</b>	CAS-No. 107-21-1	EC-No. 203-473-3
	<b>Cellulose</b>	CAS-No. 9004-34-6	EC-No. 232-674-9

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

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

#### In case of skin contact

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

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

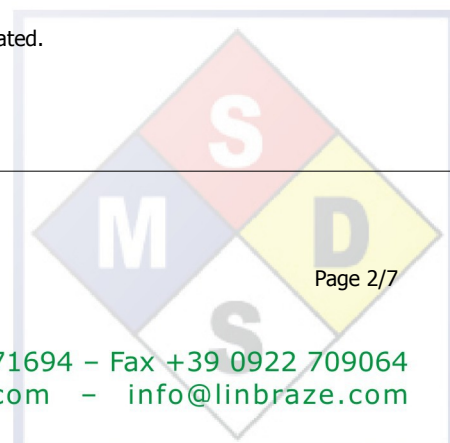
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

no data available



## Material Safety Data Sheet (MSDS)

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

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

#### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

#### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

#### 6.2 Environmental precautions

Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: 15 - 20 °C, Light sensitive.

#### 7.3 Specific end uses

no data available

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

#### 8.2 Exposure controls

##### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

###### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



## Material Safety Data Sheet (MSDS)

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

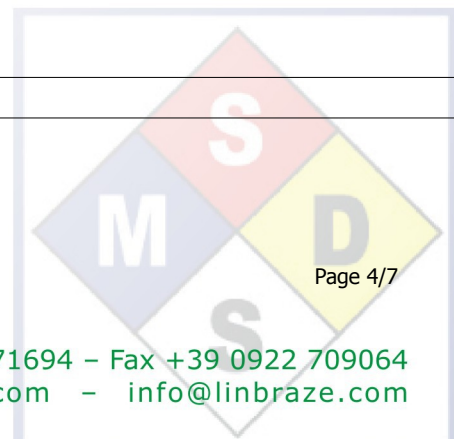
### 9.1 Information on basic physical and chemical properties

a) Appearance Form:	Creamy and sticky red paste
b) Odour:	no data available
c) Odour Threshold:	no data available
d) pH:	no data available
e) Melting point/freezing point:	Melting point/range: 1083 °C
f) Initial boiling point and boiling range:	no data available
g) Flash point:	no data available
h) Evaporation rate:	no data available
i) Flammability (solid, gas):	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure:	no data available
l) Vapour density:	no data available
m) Relative density:	no data available
n) Water solubility:	no data available
o) Partition coefficient: noctanol/water	no data available
p) Autoignition temperature:	no data available
q) Decomposition temperature:	no data available
r) Viscosity:	250,000 / 450,000 cP
s) Explosive properties:	no data available
t) Oxidizing properties:	no data available

### 9.2 Other safety information

no data available

## 10. STABILITY AND REACTIVITY



## Material Safety Data Sheet (MSDS)

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

May polymerize on exposure to light.

### 10.5 Incompatible materials

Strong acids, Strong oxidizing agents, Strong bases

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitization

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

May cause respiratory irritation.

#### Specific target organ toxicity - repeated exposure

no data available

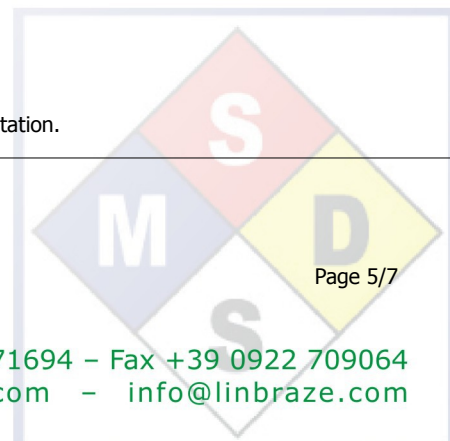
#### Aspiration hazard

no data available

#### Potential health effects

##### Inhalation:

May be harmful if inhaled. May cause respiratory tract irritation.



## Material Safety Data Sheet (MSDS)

<b>Ingestion:</b>	May be harmful if swallowed.
<b>Skin:</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes:</b>	May cause eye irritation.

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated..

### Additional Information

RTECS: OZ4400000

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates.	no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

Bioaccumulation	no data available
	no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.  
Avoid release to the environment.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

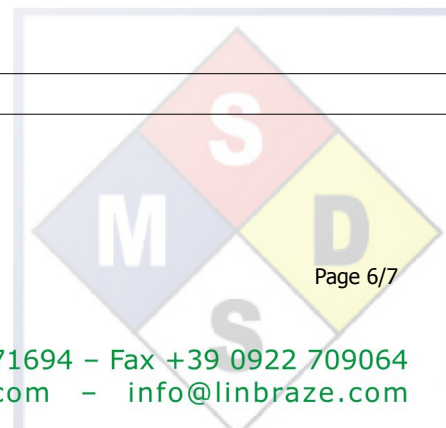
#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION



**Material Safety Data Sheet (MSDS)**

**14.1 UN number**

ADR/RID: IMDG: IATA:

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: IMDG: IATA:

**14.4 Packaging group**

ADR/RID: IMDG: IATA:

**14.5 Environmental hazards**

ADR/RID: IMDG Marine pollutant: yes IATA:

**14.6 Special precautions for user**

no data available

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

**15.2 Chemical Safety Assessment**

no data available

**16. OTHER INFORMATION**

**Further information**

Copyright LINBRAZE S.r.l. (Ltd) License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. LINBRAZE S.r.l. (Ltd), shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

