

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 14.11.2008

Revision: 14.11.2008

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

- **Product details**
- **Trade name:** KERAMIT 450+HV
- **Application of the substance / the preparation** metal alloy
- **Manufacturer/Supplier:**
NOBIL METAL S.p.A.
Strada San Rocco 28 14018 Villafranca d'Asti
Tel. + 39 0141 933811
Fax + 39 0141 943840
<http://www.nobilmetal.it>
E-mail: info@nobilmetal.it
- **Further information obtainable from:** Laboratory
- **Information in case of emergency:** NHS Direct: 0845 46 47 / Fax: 0845 606 46 47


2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 7440-22-4 EINECS: 231-131-3	silver	
CAS: 7440-74-6 EINECS: 231-180-0	indium	
CAS: 7440-31-5 EINECS: 231-141-8	tin	
CAS: 7440-05-3 EINECS: 231-115-6	palladium	 O; R 8
CAS: 7440-55-3 EINECS: 231-163-8	gallium	
CAS: 7440-57-5	gold	

- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

4 First aid measures

- **General information:** No special measures required.
- **After excessive inhalation:** Supply fresh air; consult a doctor in case of complaints.
- **After skin contact:** 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 a doctor.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Avoid formation of dust.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure control/personal protection

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

Ingredients with limit values that require monitoring at the workplace:

7440-22-4 silver

WEL (Great Britain)	Long-term value: 0.1 mg/m ³
IOELV (EU)	Long-term value: 0.1 mg/m ³

- **Additional information:** The lists valid during the making were used as basis for this document.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **Gloves material :** void
- **Eye protection:** Not required.

9 Physical and chemical properties

General Information

Form:	Solid
Colour:	White
Odour:	Characteristic

Change in condition

Melting point/Melting range: 1215-1305°C

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Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Ignition temperature:	Not applicable.
· Self-igniting:	Product is not self igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	13.6 g/cm ³
· Solubility in / Miscibility with water:	Insoluble.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- **General notes:** Generally not hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border) :**
- **ADR/RID class:** -
- **Remarks:** Not regulated

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Remarks:** Not regulated

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Remarks:** Not regulated

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has not been classified and marked in accordance with EU Directives / respective national laws.
2004/73/CE ; 2006/8/CE
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.

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.

- **Relevant R-phrases**
8 Contact with combustible material may cause fire.