

# Safety Data Sheet

## WG142C



Xn

Safety Data Sheet dated 14/7/2011, version 3

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: WG142C

Product type and use: Non ferrous alloy for jewellery manufacturing industry

Company:  
LEGOR GROUP S.p.A.  
Via del Lavoro, 1  
36050 Bressanvido (VI)  
Italy

Emergency telephone number of the company and/or of an authorised advisory centre:  
LEGOR GROUP S.p.A.  
tel. +39 0444 467911 fax +39 0444 660677

Centro Antiveleni  
Ospedale di Niguarda "Ca Grande"  
Piazza Ospedale Maggiore 3  
20162 Milano  
Telephone: +39 (0) 2/66 10 10 29  
Telefax: +39 (0) 2/64 44 27 68  
Italiano (French, English)  
(24-hour-service)

### 2. HAZARDS IDENTIFICATION

If brought into contact with the skin, the product may cause sensitisation of the skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:  
26 % Nickel  
N.67/548/CEE: 028-002-00-7 CAS: 7440-02-0 EC: 231-111-4  
Carc. Cat. 3,T,Xi; R40-43-48/23

### 4. FIRST AID MEASURES

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

In case of eyes contact:

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Wash immediately with water for at least 10 minutes.

In case of Ingestion:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

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In case of Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

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### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product. To do so, wear a mask and protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

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### 7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.

Do not eat or drink while working.

Incompatible materials:

None in particular.

Storage conditions:

Instructions as regards storage premises:

Adequately ventilated premises.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Not needed for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:

Not needed for normal use.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

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Exposure limit(s) (ACGIH):  
Nickel  
TLV TWA: 1,5 mg/m<sup>3</sup> (ACGIH 2001)

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	White-grey grained alloy
Odour:	Odourless
pH:	n.a.
Melting point:	1100-1300 °C
Boiling point:	n.d.
Flash point:	n.a. °C
Solid/gas flammability:	n.a.
Autoignition temperature:	n.a.
Explosive properties:	n.a.
Oxidizing properties:	n.a.
Vapour pressure:	n.d.
Relative density:	7.5-8.5 g/cm <sup>3</sup>
Solubility in water:	Unsoluble in water
Lipid solubility:	Unsoluble in organic solvents
Partition c. (n-octanol/H <sub>2</sub> O):	N.A.
Vapour density:	N.A.

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### 10. STABILITY AND REACTIVITY

Conditions to avoid:  
Stable under normal conditions.

Substances to avoid:  
Reacts with strong mineral acids, leading to complete solubilization and flammable gas generation (Hydrogen).

Hazardous decomposition products:  
None.

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### 11. TOXICOLOGICAL INFORMATION

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

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No specific risks can be referred to the solid state. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. The product should be handled with the care usual when dealing chemicals. Fumes or fine dusts may cause irritation to the respiratory system, cough, headache, nausea, fever and cause sensitization by inhalation and skin contact.

Copper

TLV-TWA: 0.2mg/m<sup>3</sup>

Nickel

TLV-TWA: 1.5 mg/m<sup>3</sup> (ACGIH 2001).

ACUTE

Ingestion: No problems recognized. Nickel metal has a low oral toxicity, oral rat LD<sub>50</sub>>90000mg/kgBW.

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Inhalation: Nickel dust may cause respiratory irritation.  
Skin contact: No problems have been recognized.

### CHRONIC

Inhalation: international agency for Research on Cancer concluded (1989) that nickel is possibly carcinogenic to humans. DGX1 of the EEC has now classified nickel metal as a Category 3 carcinogen by the inhalation route. This conclusion is based upon the epidemiological accounts of respiratory cancer with now obsolete methods of nickel refining where exposure was to nickel compounds.

Studies of workers exposed to nickel powder and to dust and fume generated in the production of nickel alloys and of stainless steel have not indicated a respiratory cancer hazard.

Skin contact: Repeated skin contact with metallic nickel can cause nickel sensitivity resulting in skin allergy.

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## 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

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## 13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

ADR-UN number: Not dangerous

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## 15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Council Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparations) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH). Regulation (EC) No 1272/2008 (CLP) (Annex VI). Regulation (EC) No 790/2009 (Annex IV, Annex V).

Symbols:

Xn Harmful

R Phrases:

R43 May cause sensitization by skin contact.

S Phrases:

S13 Keep away from food, drink and animal feedingstuffs.

S2 Keep out of reach of children.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

Contents:

Nickel

Notes:

PACK2 The packing must have tactile indications of danger for blind people.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

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### 16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand  
Reinold

ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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