

Material Safety Data Sheet According to 91/155 EC

Printing date 23.09.2002

Reviewed on 23.09.2002



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

- **Product details**
- **Trade name:** *UTP A 6222Mo*
- **Application of the substance / the preparation** *rods and wires for welding*
- **Manufacturer/Supplier:**
*UTP Schweißmaterial GmbH
Elsässer Straße 10
D-79188 Bad Krozingen*
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- Tel. +49 7633 409 01
Fax +49 7633 409 227*
- **Further information obtainable from:** *Abteilung QS, QA department*

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Mixture of substances listed below with nonhazardous additions.*

- **Dangerous components:**

CAS: 7440-02-0 EINECS: 231-111-4	nickel	 Xn; R 40-43	50-100%
CAS: 7439-96-5 EINECS: 231-105-1	manganese	 Xn; R 48	2.5-10%

3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information concerning particular hazards for human and environment:**
*R 40 Limited evidence of a carcinogenic effect.
R 43 May cause sensitisation by skin contact.*
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- **After inhalation:** *Supply fresh air and to be sure call for a doctor.*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** *Seek medical treatment.*

5 Fire-fighting measures

- **Suitable extinguishing agents:**
Use fire extinguishing methods suitable to surrounding conditions.

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- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Extractors are required on all machines used for thermal processing or splinter removal processes. Prevent formation of dust.
- **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.
- **Class according to regulation on flammable liquids:** Void

8 Exposure controls/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:**

7440-02-0 nickel

MEL	Long-term value: 0.5 mg/m ³ as Ni
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7440-47-3 chromium

OES	Long-term value: 0.5 mg/m ³
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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Vacuum clean contaminated clothing. Do not blow or brush off contamination.
Do not eat or drink while working.
Do not inhale dust / smoke / mist.
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:** Heat protection gloves
- **Material of gloves:** Leather gloves
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

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9 Physical and chemical properties

· **General Information**

Form:	Solid
Colour:	Silver-coloured
Odour:	Odourless

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 8.612 g/cm³

· **Solubility in / Miscibility with water:** Insoluble.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored 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:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant.
Harmful.

12 Ecological information

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- **Product:**
- **Recommendation** Contact waste processors for recycling information.

· **European waste catalogue**

12 01 13	welding wastes
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Code letter and hazard designation of product:**
Xn Harmful
- **Hazard-determining components of labelling:**
nickel
- **Risk phrases:**
40 Limited evidence of a carcinogenic effect.
43 May cause sensitisation by skin contact.
- **Safety phrases:**
22 Do not breathe dust.
36/37 Wear suitable protective clothing and gloves.
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**
Carcinogenic hazardous material group III (dangerous).
- **Classification according to VbF:** Void
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**
40 Limited evidence of a carcinogenic effect.
43 May cause sensitisation by skin contact.
48 Danger of serious damage to health by prolonged exposure.
- **Department issuing MSDS:** Abteilung QS, QA department