

Material Safety Data Sheet According to 91/155 EEC

Printing date 09.12.2003

Reviewed on 09.12.2003

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

- **Product details**
- **Trade name:** UTP A 80M
- **Application of the substance / the preparation** rods and wires for welding
- **Manufacturer/Supplier:**
UTP Schweißmaterial GmbH
Elsässer Straße 10
D-79189 Bad Krozingen
- Tel. +49 7633 409 01
Fax +49 7633 409 227
- **Further information obtainable from:** QS 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: 7440-50-8 EINECS: 231-159-6	copper		25-50%
CAS: 7439-96-5 EINECS: 231-105-1	manganese	Xn; R 48	2.5-10%

3 Hazards identification

- **Hazard description:**
Welding electrodes and wires are non-hazardous solids at ambient temperature
- **Information concerning particular hazards for human and environment:** Not applicable.

4 First-aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.

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- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **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 controls/personal protection

- **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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7440-50-8 copper

OES	Short-term value: 2** mg/m ³ Long-term value: 0.2* 1** mg/m ³ *fume **dusts and mists
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7439-96-5 manganese

MEL	Long-term value: 0.5 mg/m ³
OES	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ fume, as Mn

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:** Heat protection gloves
- **Material of gloves:** Leather gloves
- **Eye protection:**
Wear helmet or use face shield with filter lens. Provide protective screens and flash goggles, if necessary, to shield others. As a rule of thumb, start with a shade that is too dark to see the weld zone. Then go the next lighter shade which gives sufficient view of the weld zone.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **General Information**

Form:	Solid
Colour:	Different according to colouring

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Odour:	Odourless
· Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: 2597°C	
· Flash point:	Not applicable.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	8.740 g/cm ³
· Solubility in / Miscibility with water:	Insoluble.
· Solvent content: Organic solvents:	0.0 %

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:**

- **LD/LC50 values relevant for classification:**

7440-02-0 nickel

Intraperitoneal LD50 250 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

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:**

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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated adhering to official regulations.
- **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:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

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).
- **Hazard-determining components of labelling:**
nickel
- **National regulations:**
- **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:** QS department