

Material Safety Data Sheet According to 91/155 EC

Printing date 19.11.2002

Reviewed on 19.11.2002

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

- **Product details**
- **Trade name:** UTP 7200
- **Application of the substance / the preparation** electrodes for welding
- **Manufacturer/Supplier:**
 UTP Schweißmaterial GmbH
 Elsässer Straße 10
 D-79188 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: 7439-96-5 EINECS: 231-105-1	manganese	Xn; R 48	10-25%
CAS: 7440-02-0 EINECS: 231-111-4	nickel	Xn; R 40-43	≤ 2.5%
CAS: 1344-09-8 EINECS: 215-687-4	Silicic acid, sodium salt	Xn; R 22-37/38-41	≤ 2.5%

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.

GB

(Contd. on page 2)

Material Safety Data Sheet According to 91/155 EC

Printing date 19.11.2002

Reviewed on 19.11.2002

Trade name: UTP 7200

(Contd. of page 1)

6 Accidental release measures

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

- **Ingredients with limit values that require monitoring at the workplace:**

7439-96-5 manganese (10-25%)

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

13463-67-7 titanium dioxide (2.5-10%)

OES	Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust
-----	---

471-34-1 calcium carbonate (2.5-10%)

OES	Long-term value: 10*4** mg/m ³ *total inhalable dust **respirable dust
-----	--

7440-47-3 chromium (≤ 2.5%)

OES	Long-term value: 0.5 mg/m ³
-----	--

7440-02-0 nickel (≤ 2.5%)

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

- **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.

(Contd. on page 3)

Material Safety Data Sheet According to 91/155 EC

Printing date 19.11.2002

Reviewed on 19.11.2002

Trade name: UTP 7200

(Contd. of page 2)

- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form:	Solid
Colour:	Grey
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: | Not determined. |
| · 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:

· LD/LC50 values relevant for classification:

7439-96-5 manganese

Oral	LD50	9000 mg/kg (rat)
------	------	------------------

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.

GB

(Contd. on page 4)

Material Safety Data Sheet According to 91/155 EC

Printing date 19.11.2002

Reviewed on 19.11.2002

Trade name: UTP 7200

(Contd. of page 3)

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.

13 Disposal considerations

· **Product:**

· **Recommendation** Must be specially treated adhering to official regulations.

· **European waste catalogue**

12 01 13	welding wastes
12 01 20	spent grinding bodies and grinding materials containing dangerous substances

· **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:**

manganese

nickel

· **National regulations:**

· **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.

(Contd. on page 5)

Material Safety Data Sheet
According to 91/155 EC

Printing date 19.11.2002

Reviewed on 19.11.2002

Trade name: UTP 7200

(Contd. of page 4)

· Relevant R-phrases

- 22 Harmful if swallowed.
- 37/38 Irritating to respiratory system and skin.
- 40 Limited evidence of a carcinogenic effect.
- 41 Risk of serious damage to eyes.
- 43 May cause sensitisation by skin contact.
- 48 Danger of serious damage to health by prolonged exposure.

· Department issuing MSDS: QS department

GB