



Safety Data Sheet
acc. to EC standard 91/155/EWG
UTP (AF) Ledurit (60, 61, 65, 68, 70, 76)

EGSDB
156200e
11.09.1997
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1 Product name / Trademark

1.1 Details of product

Trade marks:

UTP Ledurit 60 UTP Ledurit 61 UTP Ledurit 65
UTP AF Ledurit 60 UTP AFLedurit 68 UTP AFLedurit 70 UTP AFLedurit 76

1.2 Manufacturer / Supplier

UTP Schweißmaterial GmbH & Co.KG
Elsässerstr. 10
79189 Bad Krozingen
call: (07633) 409-01 ; Telefax: (07633) 409222
Information: Marketing and Laboratory
for emergency calls: Giftinformation München ; Tel.: 089 / 41402211

2 Composition / Details of components

compound	content(%)	CAS-Nr.	mark	R-phrases
Manganese (Mn)	0,3-0,5	7439-96-5		
Chromium (Cr)	11-35	7440-47-3		
Molybdenum (Mo)	0-6,5	7439-98-7		
Tungsten (W)	0-2,5	7440-33-7		
Iron (Fe)	bal	7439-89-6		

3 Potential dangers

Special danger hints concerning man and environment:
Welding and cutting of the product may form harmful chromium-IV-oxides, irritant fluorides, manganese/iron-oxides and dust.

4 First aid / General hints

After inhalation: In case of illness patient should be moved to a well ventilated place. Should discomfort persist, seek medical advice.
Contact with skin: Wash skin with soap and copious of water
Contact with eyes: In the event of irritation , rinse with copious of. If irritation persists seek medical advice.
After swallowing: Rinse with water. Seek medical advice.

5 Steps in case of fire

Extinguisher: all extinguishing agents usable
In case of fire use respirator.

6 Steps in case of evaporation

Precautions for man : prevent formation of dust
Environmental measures : not available
Procedures for cleaning/absorption: refer Nr. 13



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7 Handling and storage

7.1 Handling

Indications for safe handling: Good exhaust/ventilation system at working area, see § 5 of UVV-VGB 15 „Schweißen, Schneiden und verwandte Verfahren“.

Indications for combustion and explosion safety: Keep extinction material out of sewerage, ground or waters. Take care of sufficient extinguishing possibilities.

Extinguishing reserve possibilities in Germany see „LöRüRL“ (guiding rules).

Contaminated extinguishing material (water) has to be eliminated according to local administrative instructions.

Combustion sediments have to be duly cleared away.

Hints for fire- and explosion protection : n.a.

7.2 Storage

Dry storage

Requirements for storage: do not store together with strong acids and alkali solutions

Further storage conditions: none

VbF-class: n.a.

8 Limit of personal exposure and personal equipment

8.1 Additional hints for lay-out of technical equipment

Kindly refer to measures acc. to para 7.1

8.2 Designation of components referring to limits according to the standards of exposure on working areas

CAS-No.	substances	Class	Value	Unit
7439-96-5	manganese, total dust	TRK	0,5	mg/m ³
1309-37-1	ironoxide Fe ₂ O ₃ , F	MAK	6	mg/m ³
1333-82-0	chromiumtrioxide	TRK	0,2	mg/m ³
7439-98-7	molybdenum	MAK	6	mg/m ³
	fluoride	MAK	2,5	mg/m ³

8.3 Personal protective equipment

Respiratory protection : In case of non existent or little ventilation/object exhaust use respiratory protection.

Hand protection : protective gloves

Eye protection : Wear protective goggles during welding

Body protection: Wear adequate (protective) clothing.

Protection and hygienic measures: Keep away from food , beverages and feeding stuff if product has a dust consistency. Separate storage of protective clothing. Soiled clothing has to be absorbed , do not brush or blow. Do not inhale dust/smoke/mist. Do not eat, drink, smoke during work. Wash hands and face during breaks and after work.

9 Physical and chemical features

9.1 Appearance

Form: solid

Colour: grey

Smell: without odour

9.2 Safety relevant data

Melting point:

1200-1500 °C

Density at 20°C:

7,8-8,1 g/m³

Solubility in / mixable with water:

not soluble



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10 Stability and reactivity

Conditions to be avoided: not available
Agents to be avoided: acids / alkali solutions forming flammable (hydrogen) and poisonous (hydrofluoric) gas
Dangerous decomposition products: irritant fluorides

11 Details of toxicology

The product does not contain toxic components.

12 Ecological details

General hints: Do not allow let in residues without pre-treating.
Water endangering class: 0

13 Hints for disposal of waste

Recommendation: metal recycling in accordance with the regulations issued by the appropriate local authorities
Used packing material: Cardboard/Plastic: dispose of in accordance with the regulations issued by the appropriate local authorities.

14 Details of transport

No dangerous good according to the regulations: ADR/RID/GGVS/GGVE, IMDG-Code, ICAO/IATA-DGR.

15 Directions

15.1 Markings according to EG-rules

The product is classified according to Common market rules
Letter for marking:
Classification of danger:

15.2 National directions / Instructions

Classification acc. to rules GefStoffV:
Accident degree:
Classification acc. to rules of inflammable goods:
Hints for limited worktime:
Classification of danger to water-solubility: 0
Other directions:

16 Miscellaneous details

The information of this Data Sheet is based on the current state of knowledge. UTP disclaims any liability or responsibility towards users of the product supplied who fail to comply with the recommendations for use set out in this Data sheet.

TRGS, Technische Regeln für Gefahrstoffe

Datasheet issuing area: Quality Assurance / Laboratory

call: ++49(0)7633 / 409-147
fax: ++49(0)7633 / 409-227