

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Manufacturer: MWO GmbH
Trade Name: TFC 1509/L
ENGL.DOC

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01. Identification of the Substance/Preparation and of the Company/Undertaking

Trade Name:	TFC 1509/L
Use of the Substance/ Preparation:	Tube filling compound for the manufacturing of optical fiber cables
Manufacturer/Supplier:	MWO GmbH Am Mühlenbach 5 D-19273 Brahlstorf
Informing department:	R&D Dept.
Phone / Fax / E-Mail:	Tel.: 038848/302-0, Fax: 038848/302-17, E-mail: theis-dorscheimer@mwo-gmbh.de
Emergency information:	Tel.: 038848/302-0

02. Hazards identification

2.1 Classification of the substance or mixture According to Regulation (EC) Nr. 1272/2008

Remark	This substance is not classified as hazardous according to Regulation (EC) Nr. 1272/2008.
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2.2. Label elements Labelling according to (EC) 1272/2008

Regulation	(EC) 1272/2008
Remark	This substance is not classified as hazardous according to Regulation (EC) Nr. 1272/2008.

2.3 Other hazards

Using hot product means hazard of burning.
No component is present at sufficient concentration that requires hazard classification for health in accordance with EC-directives.

Information pertaining to special Hazards for human and environment:	none
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03. Composition / Information on ingredients

Chemical characterization:	Preparation of mineral oil and thermoplastic rubber
Hazardous ingredients:	none

04. First aid measures

General information:	In case of burning cool with water and consult a doctor, if necessary.
In case of inhalation:	If inhalation of smog, steam or fog causes irritation, take care for fresh air und consult a doctor, if irritation does not stop.
In case of skin contact:	Remove contaminated clothes and wash immediately with water and soap, use protective cream.

In case of eye contact:	In case of contact, rinse opened eyes with plenty of water and consult a doctor.
In case of ingestion:	Do not induce vomiting and consult a doctor immediately.
Information to physician:	Symptomatic medical treatment

05. Fire-fighting measures

Suitable extinguishing media:	dry powder; foam, carbon dioxide, sand, water spray jet
Extinguishing media which must not be used for safety reasons:	full water jet
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	In case of incomplete combustion generation of CO, SO ₂ , NO _x and other hazardous organic products possible.

Special protective equipment for fire-fighters:	Fire-fighters should wear full bunker gear, including of positive pressure self-contained breathing apparatus.
Additional information:	Avoid inhalation of fumes. Cool containers at risk with water spray jet. Fires in closed rooms must be extinguished only by professional fire-fighters by using positive pressure self-contained breathing apparatus

06. Accidental release measures

Personal precautions:	In case of using hot product, hazard of burning oneself does exist. Use protective clothing and equipment.
Environmental precautions:	Keep out product of sewage systems and waterways. Do not discharge product into soil / subsoil.
Methods for cleaning up:	Take up mechanical, remove residues with oil binder, chemicals absorbent and dispose according to local regulations.
Additional information :	In case of reaching sewage system, waterways, soil or subsoil, inform local administration immediately. Material, used for absorption of production, must be collected and disposed under control. Spilled product causes danger of skidding.

07. Handling and storage

Handling:	Take care to usual regulations of the chemical industry. Avoid ingestions and do not breathe vapors.
Precautions against fire and explosion:	Material, used for absorption of production causes danger of fire and must be collected and disposed under control.
Storage:	Store dry at room temperature. Protect against direct insolation. Do not store together with oxidizing agents. Install measures against electrostatic charging. No special measures required.

08. Exposure controls / Personal protection

Occupational Exposure limits and / or biological limit values

Occupational exposure controls (AGW) Germany:	none
Occupational exposure controls European Community:	none

Technical measures to prevent exposure:	Install measures against electrostatic charging. No special measures required.
Personal protection equipment	
Respiratory protection:	Guarantee adequate ventilation. Use breathing apparatus in case of vapor or mist generation .
Eye protection:	Safety glasses, when handling with hot product.
Hand protection:	Wear oil-resistant gloves.

Body protection:	Use working clothes to avoid skin contact.
General protective and hygienic measures:	Observe usual hygienic and handling regulations, e. g. do not smoke, eat, drink etc. when working with the product.
Environmental precautions:	see chapter 06. and 07. No further measures required.

09. Physical and chemical properties

Appearance	
Physical state:	gel
Colour:	transparent
Odour:	barely perceptible
Safety relevant basic data	
Explosion limits:	n.d.
lower:	n.d.
upper:	n.d.
Vapour pressure:	n.b.
Density (g/cm³):	approx. 0,86 g/cm ³ at 25 °C
Viscosity at 25 °C:	pseudoplastic, 3500 - 4300 mPas
Water solubility at 25°C:	negligible soluble
pH:	n.d.
Boiling point /range:	n.d.
Flash point:	> 220°C DIN ISO 2592
Ignition temperature:	> 220°C DIN ISO 2592

10. Stability and reactivity

Conditions to avoid:	In accordance with its application and its use under this conditions, mentioned in this MSDS, the product is stable and shows no hazardous reactions .
Materials to avoid:	Avoid contact with strong oxidizing agents.
Hazardous decomposition products:	Incomplete burning can produce carbon monoxide and other hazardous or harmful products.

11. Toxicological Information

Toxicity tests:	
Acute toxicity:	LD / LC 50 – Values: > 2000 mg/kg (rat, oral).

No specific symptoms are known in biological essay.

Practical Experience: Long and repeated contact may cause solution of dermal fat. Use skin protecting cream. No component is present at a concentration, that is indicated and identified as carcinogen or toxic in accordance with EC-directives. This information given is based on the toxicological of the components.

Ingredients information: Preparation of mineral oil and thermoplastic rubber

12. Ecological information

Ecotoxicity: Product is very probably non-toxic for aquatic organism.

Mobility: n.d.

Persistence and degradability: Product can be mostly eliminated by abiotic processes, e.g. mechanical separation. Particularily biodegradable.

Bioaccumulative potential: No part of the composition has very probably a bioaccumulative potential.

Additional advice: Product should not get uncontrolled into contact with the environment. Water hazard class (German) WGK = 1; slightly hazardous (self-assessment)

13. Disposal considerations

Substance/ Preparation: Preparation of mineral oil and thermoplastic rubber

Appropriate disposal: Dispose in accordance with local/national regulations and laws, **Recommendation:** transfer to legal incineration

Waste code: **070213** (plastics waste)

Contaminated packaging: Packaging should be discharged completely and re-used if possible, otherwise disposal by an approved waste management company.

14. Transport information

Landt ransport (ADR/RID/ GGVSE): Not classified as hazardous materials according to **UN, IMO, ADR / RID and IATA / ICAO**, no special labelling necessary.

Sea transport (IMDG/GGVSee): Not classified as hazardous materials according to **UN, IMO, ADR / RID and IATA / ICAO**, no special labelling necessary.

Air transport (ICAO-TI und IATA-DGR): Not classified as hazardous materials according to **UN, IMO, ADR / RID and IATA / ICAO**, no special labelling necessary.

15. Regulatory information

Labelling according to EC Regulations: No special labelling necessary

Hazardous components for labelling
R-phrases: none
S-phrases: none

National Regulations
Water hazard class: WGK 1 (self assessment)
TA Luft: class 3 (organic)

Restrictions of occupation: not classified

16. Other information

Relevant EC-regulations:	none
Restriction of usage recommended by manufacturer :	none
Safety Data Sheet– issuing department:	R & D / Administration