



Safety data sheet

PL-A007 Multi-Function Oil

PL- A007

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

Prepared on: 24.06.2008/ RG

Product use: Multifunctional oil

Supplier:

**TUNAP Industrie Chemie GmbH & Co Produktions KG,
Werk 1**

Bürgermeister-Seidl-Str. 2

D-82515 Wolfratshausen

Tel:08171/16000 Fax:08171/160091

Email: sdb@tunap.com

2. Hazards identification

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Additional information

Preparation is not classified as hazardous in the sense of 1999/45/EC Danger of bursting (explosion) when heated. When using: development of explosive vapour/air mixture possible.

3. Composition/information on ingredients

Elines no.	Substances	Classification	w/w%
265-150-3	Naphtha (petroleum), hydrotreated heavy	R10 Xn;R65 R66 R67	15-30
265-185-4	Naphtha (petroleum), hydrodesulfurized heavy	Xn;R65 R66	5-15

Please see section 16 for the full text of the R-phrases

4. First aid measures

Inhalation

Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion

Do not induce vomiting. Seek medical advice immediately.

Skin

Wash the skin thoroughly with water and continue washing for a long time.

Eyes

Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses.

5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. Do not inhale vapours and flue gases - seek fresh air.

6. Accidental release measures

Dam spill and collect with sand, kieselguhr or other absorbent non-flammable material and place in suitable waste containers. For information on disposal please see item 13. Do not discharge spills into drains and/or surface water.

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Replaces:

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7. Handling and storage

Handling

Smoking and naked flames prohibited. Ensure good ventilation.

Storage

Store in a cool, dry place.

8. Exposure controls/ personal protection

Precautions for use

Wash hands before breaks and after work.

Respiratory protection

During working processes with risk for inhalation of vapours from the product, respiratory equipment with filter A should be used.

Gloves and protective clothing

Wear protective nitrile gloves (EN 374)

Eye protection

Tight fitting protective goggles with side protection (EN 166)

Occupational exposure limits

Ingredients	Exposure limit	Remarks
Propane	1000 ppm 1800 mg/m ³	DFG
Butane	500 ppm 1200 mg/m ³	DFG
Isobutane	1000 ppm 2400 mg/m ³	DFG
Naphtha (petroleum), hydrotreated heavy	1000 mg/m ³	
Lösungsmittelnaphtha (petroleum), light aromatic	350 mg/m ³	

The exposure limits stated are in accordance with EH40/2002 Occupational Exposure Limits 2002.

Remarks

DFG: German Research Association

Control methods

Compliance with occupational exposure limits may be checked by occupational hygiene measurements

9. Physical and chemical properties

Physical state: Aerosole

Colour: light brown

Odour: solvent-like

Pressure 20 °C: 5 bar

Limits of explosion: 0,6 - 8,0 Vol. %

Explosion risk: Product is not explosive: When using: development of explosive vapour/air mixture possible.

Solubility in water: insoluble

10. Stability and reactivity

The product is stable if used in accordance with supplier's instructions. Conditions to avoid: Heating, open flame, ignition sources. Pressure increase will result in danger of bursting. Materials to avoid: Avoid contact with other chemicals.

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11. Toxicological information

Acute

Inhalation

The product releases vapours from organic solvents, which may cause lethargy and dizziness. At high concentrations vapours may cause headaches and intoxication.

Ingestion

n.d.a.

Skin contact

Degreases and dries skin. Repeated exposure may cause skin dryness or cracking.

Eye contact

May irritate the eye.

Long-term effects

May cause damage to the central nervous system

Prolonged or repeated inhalation of vapours may damage the central nervous system.

12. Ecological information

Avoid discharge into drains or surface water.

Persistence and degradability

According to the recipe, contains no AOX.

13. Disposal considerations

Aerosol sprays: EWC code: 16 05 04 Gases in pressure containers containing dangerous substances. Wiping cloths with organic solvents: EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

For contaminated packing material:

15 01 04 metallic packing

15 01 01 paper and cardboard packaging

14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road, rail, sea and flight according to ADR, RID, IMDG and IATA.

ADR: UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

IMDG: UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

Classification code: 5F Label ADR: 2.1 Hazard identification number:

Flash point: - 80°C Label IMDG: 2.1 IMDG EmS.: F-D,S-U

Transport according to ADR 1.1.3.6:Factor: 3. Maximum total quantity each transported unit: 333 kg.

IATA: UN 1950 AEROSOLS, FLAMMABLE; 2.1

Limited quantities

LQ2

15. Regulatory information



Extremely flammable

Hazard designation: Extremely flammable

Hazard symbols: F+

R-phrases

Extremely flammable. (R12)

Repeated exposure may cause skin dryness or cracking. (R66)

Vapours may cause drowsiness and dizziness. (R67)

S-phrases

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). (S23)

Avoid contact with skin. (S24)

Use only in well ventilated areas. (S51)

Other labelling

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Without sufficient ventilation formation of explosive mixtures may be possible

Chemical safety assessment

16. Other information

Sources used

Regulation (EC) No 1907/2006, Annex II

Directive 1999/45/EC

Directive 67/548/EEC

Other information

VOC-CH: 0,222 kg/400 ml

VOC 1999/13/EG: 80,4 % w/w

This safety data sheet was prepared on the basis of information from the supplier on the product (e.g. material data sheets and the like).

Full text of the R-phrases that are stated in section 3.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10 Flammable.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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