



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 2.0 (replaces version 1.6)

Revision: 04.05.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name: Oilfino Herba HVLP 46**
- **Article number:** 6421000
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Hydraulic fluid
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
oilfino Mineralöl GmbH  
Werkstr. 12  
D- 25497 Prisdorf  
info@oilfino.com  
Tel.: +49 (0) 4101 / 79900  
www.oilfino.com
- **Further information obtainable from:** Sales
- **Emergency telephone number:**  
Poison Information Centre North (Göttingen)  
Phone +49 (0)551-19240

**SECTION 2: Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified, according to the GB CLP regulation.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
EUH 208: Contains methyl methacrylate. May produce an allergic reaction.  
Safety data sheet available on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

- **Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-56-9 EINECS: 265-159-2 Reg.nr.: 01-2119480132-48	Distillates (petroleum), solvent-dewaxed light paraffinic Asp. Tox. 1, H304	≥10-≤25%
CAS: 64742-55-8 EINECS: 265-158-7 Reg.nr.: 01-2119487077-29-XXXX	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	≥0-≤10%
CAS: 80-62-6 EINECS: 201-297-1	methyl methacrylate Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	<1%

- **Additional information:**

The classification as a carcinogen is not obligatory if it can be shown that the mineral oils contained in the substance/mixture contain less than 3 % DMSO extract measured according to method IP 346.

For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **Description of first aid measures**

- **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.

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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### SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.  
Foam  
Sand  
Water haze  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **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.
- **Storage class (TRGS):** 10
- **Specific end use(s)** No further relevant information available.

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**SECTION 8: Exposure controls/personal protection**

· **Control parameters**

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

**80-62-6 methyl methacrylate**

WEL (Great Britain)	Short-term value: 416 mg/m <sup>3</sup> , 100 ppm Long-term value: 208 mg/m <sup>3</sup> , 50 ppm
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· **DNELs**

**64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Inhalative	DNEL long-term - inhalation local effects	1.2 mg/m <sup>3</sup> (general public)
	DNEL Long-term – inhalation, systemic effects	5.4 mg/m <sup>3</sup> /d (Worker)

**80-62-6 methyl methacrylate**

Oral	DNEL Long-term - oral, systemic effects	8.2 mg/kg_bw/day (general public)
Dermal	DNEL Long-term – dermal, systemic effects	13.67 mg/kg_bw/d (Worker)
		8.2 mg/kg_bw/d (general public)
	DNEL Long-term – dermal, local effects	1.5 mg/kg bw/d (Worker)
		1.5 mg/kg bw/d (general public)
	DNEL Acute - dermal systemic effects	1.5 mg/kg bw/day (Worker)
	DNEL Acute - dermal, local effects	1.5 mg/kg (general public)
Inhalative	DNEL long-term - inhalation local effects	208 mg/m <sup>3</sup> (Worker)
		104 mg/m <sup>3</sup> (general public)
	DNEL Long-term – inhalation, systemic effects	348.4 mg/m <sup>3</sup> /d (Worker)
		74.3 mg/m <sup>3</sup> /d (general public)
	DNEL Acute - inhalation, local effects	416 mg/m <sup>3</sup> (Worker)
		208 mg/m <sup>3</sup> (general public)

· **PNECs**

**64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic**

PNEC secondary poisoning	9.33 mg/kg KG/d
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**80-62-6 methyl methacrylate**

PNEC short term, fresh water	0.94 mg/l
PNEC short term, sea water	0.094 mg/l
PNEC short term, sewage plant	10 mg/l
PNEC short term fresh water sediment	10.2 mg/kg

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PNEC short term soil	1.48 mg/kg
PNEC short term sea water sediment	0.102 mg/kg
PNEC short term, intermittent releases	0.94 mg/l

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Tightly sealed goggles

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### SECTION 9: Physical and chemical properties

#### · Information on basic physical and chemical properties

#### · General Information

· Physical state	Fluid
· Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	225 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity at 40 °C	45.61 mm <sup>2</sup> /s
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Density (@15°C)	0.8761 g/cm <sup>3</sup>
· Vapour density	Not determined.

#### · Other information

#### · Appearance:

· Form: Fluid

#### · Important information on protection of health and environment, and on safety.

· Ignition temperature:

Product is not selfigniting.

· Explosive properties:

Product does not present an explosion hazard.

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· <b>Solvent content:</b>	
· <b>VOC (EC)</b>	0.00 %
· <b>Solids content:</b>	0.0 %
· <b>Change in condition</b>	
· <b>Softening point/range</b>	
· <b>Pour point</b>	-39 °C
· <b>Evaporation rate</b>	Not determined.

· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

**64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic**

Oral	LD50	>5,000 mg/kg (Worker)
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Dermal	LD50	>5,000 mg/kg (Worker)
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**64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Oral	LD50	>5,000 mg/kg (rat)
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Dermal	LD50	>5,000 mg/kg (rabbit)
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**80-62-6 methyl methacrylate**

Oral	LD50	7,872 mg/kg (rat)
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Dermal	LD50	>5,000 mg/kg (rat)
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

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**SECTION 12: Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic**

LC50 (96h) mg/ltr.	>100 mg/ltr (Fish)
EC50 (48h)	>10,000 mg/l (Daphnia magna)
ErC (72h)	>100 mg/l (Pseudokirchneriella subcapitata)
NOEC	10 mg/l /21d (Daphnia magna)

**64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Acute LC50 (72h)	>100 mg/l (algae)
LC50 (96h) mg/ltr.	>100 mg/ltr (Fish)
EC50 (48h)	>100 mg/l (Daphnia magna)
EL50 (48h)	>1,000 mg/l (daphnia)

**80-62-6 methyl methacrylate**

Oral	NOEC	37 mg/l (KRU)
	LC50 (96h)	>79 mg/l (rainbow trout)
	EC50 (72h)	>110 mg/l (Pseudokirchneriella subcapitata)
	EC50 (48h)	69 mg/ltr. (Daphnia magna)
	NOEC	9.4 mg/l (Fish)

· **Persistence and degradability**

64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	2-4 (28d) %
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	Inherent %
80-62-6	methyl methacrylate	98 %

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **Other adverse effects** No further relevant information available.

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**· Additional 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.

Self-classification according to Annex 1 (to § 4 paragraph 1, § 8 paragraph 1 and § 10 paragraph 2) of the Ordinance on Facilities for Handling Substances Hazardous to Water 1, 2 (AwSV).

### SECTION 13: Disposal considerations

**· Waste treatment methods****· Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· European waste catalogue**

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
15 01 10*	packaging containing residues of or contaminated by hazardous substances

**· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

**· UN number or ID number****· ADR, IMDG, IATA** not regulated**· UN proper shipping name****· ADR, IMDG, IATA** not regulated**· Transport hazard class(es)****· ADR, ADN, IMDG, IATA****· Class** not regulated**· Packing group****· ADR, IMDG, IATA** not regulated**· Environmental hazards:**

Not applicable.

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- |  |                 |
|--|-----------------|
| · <b>Special precautions for user</b>                            | Not applicable. |
| · <b>Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                  | not regulated   |

**SECTION 15: Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)**

None of the ingredients is listed.

- **Directive 2004/42/EC**

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations:**

- **VOC (EU) 0.0 g/l**

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

- **Disclaimer**

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product

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**Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.

• **Contact:** MSDS authorized Person

• **Version number of previous version:** 1.6

**Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1