

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023

Version: 3.0.0

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

##### 1.1. Product identifier

**Trade name:** KRAMP HYDRAULIC OIL HVLP46

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended uses:** Hydraulic fluids

##### 1.3. Details of the supplier of the safety data sheet

**Supplier**

**Company:** Kramp UK Ltd  
**Address:** Unit 5  
Lancaster Way  
**Zip code:** SG18 8YL  
**City:** Biggleswade  
**Country:** UNITED KINGDOM  
**E-mail:** sales.uk@kramp.com  
**Phone:** +44(0)1767 602 600

##### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

**CLP-classification:** The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.**Most serious harmful effects:** May cause slight irritation to the skin and eyes.

##### 2.2. Label elements

**Precautionary statements**

P102 Keep out of reach of children.  
P501 Dispose of contents/container in accordance with local regulation.

**Supplemental information**

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH210 Safety data sheet available on request.

##### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.  
Endocrine disrupting properties: None known.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
-----------	------------------------------------	---------------	-------	--------------------

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023

Version: 3.0.0

Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25	< 2.5 %		Asp. Tox. 1;H304
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9 265-159-2 01-211948132-48	< 2.5 %		Asp. Tox. 1;H304
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1 276-738-4 01-2119474889-13	< 2.5 %		Asp. Tox. 1;H304

Please see section 16 for the full text of H- / EUH-phrases.

**Ingredient comments:** The mineral oils in the product contain <3% DMSO extract(IP 346).

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

##### 4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

##### 4.3. Indication of any immediate medical attention and special treatment needed

No special immediate treatment required. Treat symptoms.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
<b>Unsuitable extinguishing media:</b>	Do not use water stream, as it may spread the fire.

##### 5.2. Special hazards arising from the substance or mixture

Can generate harmful flue gases containing carbon monoxide in the event of fire.

##### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023  
Version: 3.0.0

**For non-emergency personnel:** Wear gloves. Wear safety goggles if there is a risk of eye splash. Stop leak if this can be done without risk. Provide good ventilation.

**For emergency responders:** In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

#### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

#### 6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

#### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Use the product under well-ventilated conditions.

#### 7.2. Conditions for safe storage, including any incompatibilities

Do not store with the following: Strong oxidisers/ Strong alkalis/ Strong acids. Do not expose to heat (e.g. sunlight). Keep in tightly closed original packaging. Store in a cool, dry place. Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

#### 7.3. Specific end use(s)

None.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Occupational exposure limit:** Contains no substances subject to reporting requirements.

**Measuring methods:** Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits. Last amended January 2020.

#### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

**Personal protective equipment, hand protection:** Plastic or rubber gloves recommended. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

**Personal protective equipment, respiratory protection:** In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter. Respiratory protection must conform to one of the following standards: EN 136/140/145.

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023

Version: 3.0.0

**Environmental exposure controls:**

Ensure compliance with local regulations for emissions.

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	No data
Odour	No data
Solubility	No data

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	220 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	43.6 mm <sup>2</sup> /s	40 °C
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	No data	
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

##### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

Reacts with the following: Strong oxidisers/ Strong acids/ Strong alkalis.

##### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

##### 10.3. Possibility of hazardous reactions

None known.

##### 10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight). Avoid heating and contact with ignition sources.

# Safety Data Sheet

## KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023  
Version: 3.0.0

### 10.5. Incompatible materials

Strong oxidisers/ Strong alkalis/ Strong acids.

### 10.6. Hazardous decomposition products

Can generate harmful flue gases containing carbon monoxide in the event of fire.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity - oral

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg		OECD 401	

##### Distillates (petroleum), solvent-dewaxed light paraffinic, cas-no 64742-56-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg			

##### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, cas-no 72623-87-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg		OECD 402	

##### Distillates (petroleum), solvent-dewaxed light paraffinic, cas-no 64742-56-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000 mg/kg			

##### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, cas-no 72623-87-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg		OECD 402	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - inhalation

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4 h	> 5.53 mg/l		OECD 403	

##### Distillates (petroleum), solvent-dewaxed light paraffinic, cas-no 64742-56-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	5.53 mg/l			

##### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, cas-no 72623-87-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4	2.18 mg/l		OECD 403	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Skin corrosion/irritation:

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.  
May cause slight irritation. The product does not have to be classified. Test data are not

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023  
Version: 3.0.0

available.

#### Serious eye damage/eye irritation:

Temporary irritation. The product does not have to be classified. Test data are not available.

#### Respiratory sensitisation or skin sensitisation:

The product does not have to be classified. Test data are not available.

#### Germ cell mutagenicity:

The product does not have to be classified. Test data are not available.

#### Carcinogenic properties:

The product does not have to be classified. Test data are not available.

#### Reproductive toxicity:

The product does not have to be classified. Test data are not available.

#### Single STOT exposure:

The product does not have to be classified. Test data are not available.

#### Repeated STOT exposure

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LOAEL	90 d	125 mg/kg bw/day		OECD 408	

##### Distillates (petroleum), solvent-dewaxed light paraffinic, cas-no 64742-56-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LOAEL	90d	125 mg/kg bw/day			
	90dNOAEL		≥ 2000 mg/kg bw			

##### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, cas-no 72623-87-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	90dLOAEL(oral)		125 mg/kg bw		OECD 408	

The product does not have to be classified. Test data are not available.

#### Aspiration hazard:

The product does not have to be classified. Test data are not available.

#### 11.2. Information on other hazards

#### Endocrine disrupting properties:

None known.

#### Other toxicological effects:

None known.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna		48hEC50	> 10000 mg/l		OECD 202	
Algae	Pseudokirchneriella subcapitata		72hNOEC	≥ 100		OECD 201	
Fish	Oncorhynchus mykiss		14dNOEC 28d NOEC	≥ 1000		QSAR	
Crustacea	Daphnia magna		21dNOEC	10 mg/l		OECD 211	

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023

Version: 3.0.0

Fish	Pimephales promelas		96hLC50	> 100		OECD 203	
------	---------------------	--	---------	-------	--	----------	--

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, cas-no 72623-87-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		72hNOEC	≥ 100 mg/l		OECD 201	
Fish	Pimephales promelas		96hLC50	100 mg/l		OECD 203	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### 12.2. Persistence and degradability

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		31 %		OECD 301 F	

##### Distillates (petroleum), solvent-dewaxed light paraffinic, cas-no 64742-56-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Readily biodegradable.		

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, cas-no 72623-87-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		31 %		OECD 301 F	

The product contains at least one biodegradable substance.

#### 12.3. Bioaccumulative potential

##### Distillates (petroleum), hydrotreated heavy paraffinic, cas-no 64742-54-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					The product is potentially bioaccumulative.		

##### Distillates (petroleum), solvent-dewaxed light paraffinic, cas-no 64742-56-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	> 3			

The product contains at least one substance that is bioaccumulative in organisms.

#### 12.4. Mobility in soil

Test data are not available.

#### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

#### 12.6. Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023

Version: 3.0.0

#### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

**Category of waste:**

EWC code: Depends on line of business and use, for instance 16 07 99 wastes not otherwise specified

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

#### SECTION 14: Transport information

**14.1. UN number or ID number:** Not applicable.**14.4. Packing group:** Not applicable.**14.2. UN proper shipping name:** Not applicable.**14.5. Environmental hazards:** Not applicable.**14.3. Transport hazard class(es):** Not applicable.**14.6. Special precautions for user**

None.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

#### SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Special Provisions:**

None.

**15.2. Chemical Safety Assessment**

REACH Reg. No.	Substance name
01-2119474889-13	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
01-211948132-48	Distillates (petroleum), solvent-dewaxed light paraffinic
01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic

#### SECTION 16: Other information

**Version history and indication of changes**

Version	Revision date	Responsible	Changes
3.0.0	21/06/2023	Bureau Veritas HSE / SJU	2,3,8,11,12,13,16

**Abbreviations:**

PBT: Persistent, Bioaccumulative and Toxic  
STOT: Specific Target Organ Toxicity  
vPvB: Very Persistent and Very Bioaccumulative

**Other Information:**

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.



## Safety Data Sheet

### KRAMP HYDRAULIC OIL HVLP46

Replaces date: 06/03/2023

Revision date: 21/06/2023

Version: 3.0.0

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Classification method:** Calculation based on the hazards of the known components.

#### List of relevant H-statements

H304 May be fatal if swallowed and enters airways.

#### List of relevant EUH-statements

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH210 Safety data sheet available on request.

#### SDS is prepared by

Company: Bureau Veritas HSE Denmark A/S  
Address: Oldenborggade 25-31  
Zip code: 7000  
City: Fredericia  
Country: DENMARK  
E-mail: [infohse@bureauveritas.com](mailto:infohse@bureauveritas.com)  
Phone: +45 77 31 10 00  
Homepage: [www.bureauveritas.dk](http://www.bureauveritas.dk)

**Country:** GB