Safety Data Sheet

KRAMP TRANSMISSION/HYDRAULIC OIL UTTO

Replaces date: 22/03/2022

Revision date: 06/03/2023
Version: 3.0.0

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

1.1. Product identifier

Trade name: KRAMP TRANSMISSION/HYDRAULIC OIL UTTO

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

Recommended uses: Functional 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: Aquatic Chronic 3;H412

Most serious harmful effects: Harmful to aquatic life with long lasting effects. Persons with a known allergy to triphenyl phosphite, C14-18 alpha-olefin epoxide, reaction products with boric acid may exhibit an allergic response to the product. May cause slight irritation to the skin and eyes. The product releases vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

2.2. Label elements

Hazard Statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of reach of children.
P273	Avoid release to the environment.
P501	Dispose of contents/container in accordance with local regulation.

Supplemental information

EUH208	Contains triphenyl phosphite, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.
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
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7 01-2119487077-29	< 50 %	4	Asp. Tox. 1;H304
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25	10 - 20 %	4	Asp. Tox. 1;H304
Mineral oil		1 - 5 %		Asp. Tox. 1;H304
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8 224-235-5 01-2119493635-27	0.1 - 2.5 %		Eye Dam. 1;H318 Aquatic Chronic 2;H411 C ≥ 50%: Eye Dam. 1;H318
C14-18 alpha-olefin epoxide, reaction products with boric acid	1471314-23-4 939-580-3 01-2119976364-28	0.1 - 1 %		Skin Sens. 1B;H317
triphenyl phosphite	101-02-0 202-908-4 01-2119511213-58	< 1 %		Acute Tox. 4;H302 Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 C ≥ 5%: Eye Irrit. 2; H319 C ≥ 5%: Skin Irrit. 2; H315

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

4 = H304 is not applicable due to the high viscosity of the product.

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

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

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eye contact: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

General: 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. The product releases vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product contains small amounts of triphenyl phosphite, C14-18 alpha-olefin epoxide, reaction products with boric acid. Persons with a known allergy may exhibit an allergic response to the product.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: 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

For non-emergency personnel: Stop leak if this can be done without risk. Wear safety goggles if there is a risk of eye splash. Wear gloves. Provide adequate ventilation. Smoking and naked flames prohibited.

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, non-combustible 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

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

7.2. Conditions for safe storage, including any incompatibilities

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

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: Wear gloves. Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374. 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: Light use (small volume, shortterm contact (below 10 min.)): Not required.
Medium use (medium volume, medium contact (1-2 hours)): Wear respiratory protective equipment. Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.

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	Amber
Odour	Characteristic
Solubility	Not miscible with the following: Water.

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	222 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	65.2 mm2/s	40 °C

Partition coefficient n-octonol/water	No data	
Vapour pressure	No data	
Density	No data	
Relative density	0.864	20 °C.
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

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.

10.5. Incompatible materials

Strong oxidisers/ Strong acids/ Strong alkalis.

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 light paraffinic, cas-no 64742-55-8

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

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	

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), cas-no 4259-15-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		3100 mg/kg		OECD 401	

triphenyl phosphite, cas-no 101-02-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		1600 mg/kg			

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 light paraffinic, cas-no 64742-55-8

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

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	

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), cas-no 4259-15-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000 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 light paraffinic, cas-no 64742-55-8

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

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	

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: May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation: May cause eye irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation: The product contains small amounts of triphenyl phosphite, C14-18 alpha-olefin epoxide, reaction products with boric acid. Persons with a known allergy may exhibit an allergic response to the product. 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 releases vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. 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		90 d	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 None known.

properties:

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Distillates (petroleum), hydrotreated light paraffinic, cas-no 64742-55-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			96hLC50	> 100 mg/l			
Fish			NOEC	100 mg/l			
Algae		48 h	ErC50	> 100 mg/l			

Mineral oil

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas	4 d	LC50	> 100 mg/l			
Crustacea	Cladocera	2 d	EC50	> 10000 mg/l			
Algae	Scenedesmus quadricauda	72 h	72hEC50	> 100 mg/l			
Crustacea	Cladocère	21 d	21dNOEC	> 10 mg/l			
Algae	Name of species not specified	3 d	ErC50	> 100 mg/l			

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), cas-no 4259-15-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	1 - 2 mg/l		OECD 203	
Crustacea	Daphnia magna		48hEC50	1 - 10 mg/l		OECD 202	
Algae	Desmodesmus subspicatus		72hErC50	> 240			

C14-18 alpha-olefin epoxide, reaction products with boric acid, cas-no 1471314-23-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			LC50	> 100 mg/l			
Crustacea			EC50	> 100 mg/l			
Algae		72 h	EC50	> 100 mg/l			
Crustacea			NOEC	100 mg/l			

triphenyl phosphite, cas-no 101-02-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Cladocera			0.94 mg/l			

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Mineral oil

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

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), cas-no 4259-15-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d	Closed bottle	5 %			

triphenyl phosphite, cas-no 101-02-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source

		28 d	Closed bottle	0.1 %			

The product contains at least one substance that is not biodegradable. Test data are not available for all substances

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated light paraffinic, cas-no 64742-55-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	> 6			

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), cas-no 4259-15-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	3.59			
		0,1 d	Log Kow	3.6			

C14-18 alpha-olefin epoxide, reaction products with boric acid, cas-no 1471314-23-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	9.4			

triphenyl phosphite, cas-no 101-02-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		0,1 d	Log Kow	6.62			

The product contains at least one substance that is bioaccumulative in organisms. Test data are not available for all substances

12.4. Mobility in soil

Not expected to be mobile in soil. Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water.
If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.
Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste:

EWC code: Depends on line of business and use, for instance 13 01 13* other hydraulic oils
Absorbent/cloth contaminated with the product: EWC code: 15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

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.

14.3. Transport hazard class(es): Not applicable.

14.5. Environmental hazards: 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
01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic
01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic
01-2119493635-27	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)
01-2119511213-58	triphenyl phosphite
01-2119976364-28	C14-18 alpha-olefin epoxide, reaction products with boric acid

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	06/03/2023	Bureau Veritas HSE / SJU	2,16

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.

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

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

List of relevant EUH-statements

EUH208	Contains triphenyl phosphite, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

SDS is prepared by

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