

## Safety Data Sheet

### KRAMP ENGINE OIL 15W-40

Replaces date: 15/03/2022

Revision date: 23/02/2023

Version: 3.0.0

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

##### 1.1. Product identifier

**Trade name:** KRAMP ENGINE OIL 15W-40

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

**Recommended uses:** Lubricant.

##### 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**

EUH210 Safety data sheet available on request.  
EUH208 Contains Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts. May produce an allergic reaction.

##### 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
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Mineral oil	8012-95-1 232-384-2	1 - 10 %	4	Asp. Tox. 1;H304
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8 283-392-8 01-2119493626-26	0.1 - 2.5 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 2;H411
Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts	947-519-7 01-2120765489-36	0.1 - 1 %		Skin Sens. 1;H317
O, O, O-Triphenylphosphorothioate	209-909-9 01-2119979545-21	0.01 - 1 %		Repr. 2;H361fd

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

<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.
<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. The product contains small amounts of Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts. 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

<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

The product decomposes when combusted and the following toxic gases can be formed: Nitrous gases/ Sulphur oxides/ Aldehydes/ Carbon monoxide and carbon dioxide.

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#### 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:** Stay upwind/keep distance from source. Stop leak if this can be done without risk. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Wear respiratory protective equipment. Wear gloves. Wear safety goggles if there is a risk of eye splash.

**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

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. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

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

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. 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 dry, cool, well-ventilated area.

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

No special uses in addition to identified uses in 1.2.

### 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.

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#### 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, skin protection:

Not required.

##### Personal protective equipment, hand protection:

Wear gloves. Type of material: Neoprene 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)): Filter type: P. 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	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	230 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	106.3 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	0.884	20 °C.
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

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Parameter	Value/unit	Remarks
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**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

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Nitrous gases/ Sulphur oxides/ Aldehydes/ Carbon monoxide and carbon dioxide.

#### SECTION 11: Toxicological information

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

###### Acute toxicity - oral

###### Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts, cas-no 84605-29-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		3150 mg/kg		OECD 401	

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

###### Acute toxicity - dermal

###### Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts, cas-no 84605-29-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50			Irritating		

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:** The product does not have to be classified. Test data are not available.**Skin corrosion/irritation:** The product does not have to be classified. Test data are not available. May irritate the skin - may cause reddening.**Serious eye damage/eye irritation:** The product does not have to be classified. Test data are not available. May cause eye irritation.**Respiratory sensitisation or skin sensitisation:** The product does not have to be classified. Test data are not available. The product contains small amounts of Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts. Persons with a known allergy may exhibit

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an allergic response to the product.

**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:** 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

##### Mineral oil, cas-no 8012-95-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLC50	> 100 mg/l			
Algae	Scenedesmus quadricauda		72hErC50	> 100 mg/l			
Crustacea	Cladocera		48hEC50	> 10000 mg/l			

##### Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts, cas-no 84605-29-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		LC50	< 4.5 mg/l			
Crustacea	Name of species not specified		EC50	23 mg/l		OECD 202	
Algae	Scenedesmus subspicatus		ErC50	24 mg/l			
Algae	Desmodesmus subspicatus		72hErC50	21 mg/l			
Crustacea	Daphnia magna		21dNOEC	0.4			

##### Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts, EC-no 947-519-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Cladocère		48hLC50	> 100 mg/l			
Fish	Truite arc-en-ciel		96hLC50	> 100 mg/l			
Algae	Algues vertes		96hErC50	> 1000 mg/l			

##### O, O, O-Triphenylphosphorothioat, EC-no 209-909-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Poisson zébre		LC50	> 100 mg/l			

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Algae	Scenedesmus quadricauda		ErC50	> 100 mg/l			
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The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. The product contains small quantities of environmentally hazardous substances.

#### 12.2. Persistence and degradability

##### Mineral oil, cas-no 8012-95-1

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

##### Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts, cas-no 84605-29-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d	Biodegradability	1.5 %			
		28 d	ThOD	1.5 %		OECD 301 B	

##### O, O, O-Triphenylphosphorothioat, EC-no 209-909-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		17.8 - 19.3 %		OECD 301 C	

The product contains at least one substance that is not biodegradable.

#### 12.3. Bioaccumulative potential

##### Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts, cas-no 84605-29-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	0.56			

##### Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts, EC-no 947-519-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	10.88			

##### O, O, O-Triphenylphosphorothioat, EC-no 209-909-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			BCF	2551			

No bioaccumulation expected.

#### 12.4. Mobility in soil

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

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

The product does not contain any PBT or vPvB substances.

#### 12.6. Endocrine disrupting properties

#### 12.7. Other adverse effects

Test data are not available. Oil products may cause soil and water pollution.

## 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 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

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stringent than regional or national requirements.

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 02 08\* other engine, gear and lubricating oils  
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

<b>14.1. UN number or ID number:</b>	Not applicable.	<b>14.4. Packing group:</b>	Not applicable.
<b>14.2. UN proper shipping name:</b>	Not applicable.	<b>14.5. Environmental hazards:</b>	Not applicable.
<b>14.3. Transport hazard class(es):</b>	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
01-2119493626-26	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

#### SECTION 16: Other information

##### Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	23/02/2023	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:** Test data. Expert judgement.

##### List of relevant H-statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.



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H318	Causes serious eye damage.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

#### List of relevant EUH-statements

EUH208	Contains Reaction products of benzenesulfonic acid, mono C20-24 (even)-sec-alkyl derivatives, para-, calcium salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

#### SDS is prepared by

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