

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 16-5-2025 Version: 1.0

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

: Mixture

: S003038 : Trade product

: Eurol Lube-S MV BIO

1.1. Product identifier

Product form	
Product name	
Product code	
Product group	

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

Relevant identified uses

Intended for general public	
Main use category	: Industrial use, Professional use, Consumer use
Use of the substance/mixture	: Lubricant
Function or use category	: Lubricants and additives

1.3. Details of the supplier of the safety data sheet

Eurol B.V. Energiestraat 12 NL-7442 DA Nijverdal The Netherlands Tel: +31 548 615 165 reach@eurol.com - www.eurol.com

1.4. Emergency telephone number

Emergency number

: For Transport Emergency Call +31 88 303 7598 (24hr/day 7days/week)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	112 +356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

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2.2. Label elements	
Labelling according to Regulation (EC) No. 1	272/2008 [CLP]
Precautionary statements (CLP)	: P102 - Keep out of reach of children.
EUH-statements	 EUH208 - Contains Alkyl dithiophosphate, Propanoic acid, 3-[[bis(2-methylpro- poxy)phosphinothioyl]thio]-2-methyl May produce an allergic reaction.
	EUH210 - Safety data sheet available on request.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alkyl dithiophosphate	-	0,1 – 1	Skin Sens. 1B, H317 Aquatic Chronic 4, H413
Propanoic acid, 3-[[bis(2-methylpro- poxy)phosphinothioyl]thio]-2-methyl-	CAS-No.: 268567-32-4 EC-No.: 434-070-2 REACH-no: 01-2119658068- 31	0,1 – 1	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion First-aid measures for first aider	 If you feel unwell, seek medical advice. Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. First aid workers will be equipped with suitable personal protective equipment.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects after inhalation	: At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
Symptoms/effects after skin contact	: Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.
Symptoms/effects after eye contact	: Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Symptoms/effects after ingestion	: Bad taste. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.
Symptoms/effects upon intravenous administration	: Unknown.

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

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream. Use of heavy stream of water may spread fire.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Combustion generates: CO, CO2, POx, NOx, SOx, H2S. Not expected to be a fire/explosion hazard under normal conditions of use. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Precautionary measures fire Firefighting instructions	 Do not enter fire area without proper protective equipment, including respiratory protection. Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. 	
Protection during firefighting Other information	 Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. 	

SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
For non-emergency personnel	
Protective equipment	: When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing.
Emergency procedures	: Ventilate spillage area.
For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.
6.2. Environmental precautions	

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.	
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4 Reference to other sections		

For further information refer to section 13.

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SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	: Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.	
Hygiene measures	: Do no eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities		
Technical measures	: Keep container tightly closed and in well ventilated place.	
Storage conditions	: Keep only in original container.	
Incompatible products	: Reacts vigorously with strong oxidizers and acids.	
Maximum storage period	: 5 year	
Storage temperature	: ≤ 40 °C	
Information on mixed storage	: Keep away from : Oxidizing materials. Strong acids.	
Storage area	: Store at ambient temperature.	
Special rules on packaging Packaging materials	 Keep container tightly closed and dry. Store always product in container of same material as original container. 	
7.3. Specific end use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL and PNEC

Exposure-value for oil mist

: 10 mg/m3 (15 min.) or 5 mg/m3 (8 hours).

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Gloves. In case of splash hazard: safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed. **Personal protective equipment symbol(s):**



Eye and face protection

Eye protection: Safety glasses

Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection:

Protective gloves

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Other skin protection

Materials for protective clothing:

PVC gloves. Neoprene or nitrile rubber gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Consumer exposure controls:

PVC gloves. Neoprene or nitrile rubber gloves.

Other information:

Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

: Liquid
: Yellow.
: Oily. Liquid.
: characteristic.
: Not available
: -21 °C ASTM D 97
: Not available
: > 280 °C
: Non flammable.
: 0,6 vol %
: 7 vol %
: 220 °C ASTM D 92
: > 240 °C
: Not available
: Not available
: 150 – 200 mm²/s at 40 °C, ASTM D 445
: insoluble in water.
: Not available
: < 0,1 hPa
: Not available
: 0,91 – 0,92 kg/l ASTM D 4052
: Not available
: >1 (air=1)
: Not applicable

9.2. Other information

Information with regard to physical hazard classes			
Explosion limits	: 0,6 – 7 vol %		
Other safety characteristics			
Relative evaporation rate (butylacetate=1)	: < 0,1		
VOC content	: 0%		
Other properties	: Gas/vapour heavier than air at 20°C		

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

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10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
Refer to section 10.1 on Reactivity.	
10.4. Conditions to avoid	
Moisture. Overheating.	
10.5. Incompatible materials	
Strong oxidizing agents. Strong acids.	

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on hazard classes	s as defined in Regulation (EC) No 1272/2008	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 	
Alkyl dithiophosphate		
LD50 oral rat	11,3 g/kg	
Propanoic acid, 3-[[bis(2-methylpro-poxy)phosphinothioyl]thio]-2-methyl- (268567-32-4)		
LD50 oral rat	> 2000 mg/kg	
LD50 dermal rat	> 2000 ml/kg	
Skin corrosion/irritation Serious eye damage/irritation	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 	
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)	
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)	
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)	
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)	
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)	
Alkyl dithiophosphate		
NOAEL (oral, rat)	1000 mg/kg bodyweight	
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)	
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)	
Eurol Lube-S MV BIO		
Viscosity, kinematic	150 – 200 mm²/s at 40 °C, ASTM D 445	
11.2. Information on other hazards		
Other information		

Other information

: Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products, Likely route of exposure: ingestion, skin and eye.

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SECTION 12: Ecological information

12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Ecology - water This product floats on water and may affect the oxygen-balance in the water. Hazardous to the aquatic environment, short-term : Not classified (Based on available data, the classification criteria are not met) (acute) Hazardous to the aquatic environment, long-term : Not classified (Based on available data, the classification criteria are not met) (chronic) Alkyl dithiophosphate LC50 fish 1 > 100 mg/l EC50 Daphnia 1 > 100 mg/l EC50 72h - Algae [1] > 100 mg/l Propanoic acid, 3-[[bis(2-methylpro-poxy)phosphinothioyl]thio]-2-methyl- (268567-32-4) LC50 fish 1 38 mg/l EC50 Daphnia 1 53 mg/l EC50 72h - Algae [1] > 100 mg/l 12.2. Persistence and degradability **Eurol Lube-S MV BIO** Persistence and degradability Not readily biodegradable. Alkyl dithiophosphate Persistence and degradability Rapidly degradable Propanoic acid, 3-[[bis(2-methylpro-poxy)phosphinothioyl]thio]-2-methyl- (268567-32-4) Persistence and degradability Rapidly degradable 12.3. Bioaccumulative potential **Eurol Lube-S MV BIO** Bioaccumulative potential This product is not expected to bioaccumulate through food chains in the environment.

12.4. Mobility in soil

Eurol Lube-S MV BIO	
	Not miscible with water. Spillages may penetrate the soil causing ground water contamination. This product floats on water and may affect the oxygen-balance in the water.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation
Product/Packaging disposal recommendations
Sewage disposal recommendations
Waste disposal recommendations
Additional information
Ecology - waste materials

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Disposal must be done according to official regulations.
- : Disposal must be done according to official regulations.
- : Do not re-use empty containers.
- Every mixture with foreign substances such as solvents, brake- and cooling liquids is forbidden. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. When not empty dispose of this container at hazardous or special waste collection point.
 13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils

European List of Waste (LoW, EC 2000/532)

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN ΙΑΤΑ ADR IMDG ADN 14.1. UN number or ID number Not regulated for transport 14.2. UN proper shipping name Not regulated Not regulated Not regulated Not regulated 14.3. Transport hazard class(es) Not regulated Not regulated Not regulated Not regulated 14.4. Packing group Not regulated Not regulated Not regulated Not regulated 14.5. Environmental hazards Not regulated Not regulated Not regulated Not regulated No supplementary information available

14.6. Special precautions for user

Overland transport Not regulated

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Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Alkyl dithiophosphate ; Propanoic acid, 3-[[bis(2- methylpro- poxy)phosphinothioyl]thio] -2-methyl-	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Alkyl dithiophosphate ; Propanoic acid, 3-[[bis(2- methylpro- poxy)phosphinothioyl]thio] -2-methyl-	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content

: 0 %

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ACGIH American Conference of Government Industrial Hygienists	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate

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Abbreviations and acronyms:		
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
COD	Chemical oxygen demand (COD)	
CSA	Chemical safety assessment	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
ED	Endocrine disruptor	
EN	European Standard	
EWC	European waste catalogue	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
Log Kow	Partition coefficient n-octanol/water (Log Kow)	
Log Pow	Partition coefficient n-octanol/water (Log Pow)	
МАК	maximum workplace concentration	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
N.O.S.	Not Otherwise Specified	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
OSHA	Occupational Safety Health Administration	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
PPE	Personal protection equipment	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
TF	Technical function	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	

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Abbreviations and acronyms:	
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Supplier's safety documents. ECHA (European Chemicals Agency).
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains Alkyl dithiophosphate, Propanoic acid, 3-[[bis(2-methylpro-poxy)phosphinothioyl]thio]-2-methyl May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.