

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

Printing date 28.04.2022

Version number 9

Revision: 25.10.2021

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

1.1 Product identifier

Trade name:

E-BIKE LUBE

Article number:

NL-73400 / NL-73500

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

No further relevant information available.

Application of the substance / the mixture

Lubricant

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

VAR SA
19 Avenue Gustave Eiffel
Lot D6, Espace Eiffel
28630 Gellainville
France
Tél : +33 (0)2.37.33.37.10
Mail : contact@vartools.com
<http://www.vatools.com>

1.4 Emergency telephone number:

Poison Control Centre : 0845 4647

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.

Signal word

Void

Hazard statements

Void

Precautionary statements

H412 Harmful to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Lubricant

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Dangerous components:		
EC number: 918-481-9 Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics. ☠ Asp. Tox. 1, H304, EUH066	20-25%
CAS: 68937-40-6 EC number: 700-990-0 Reg.nr.: 01-2119519251-50	Phenol, isobutylated, phosphate (3:1) ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤1%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119565113-46	Butylated hydroxytoluene ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤0.1%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information:** Seek immediate medical advice.
Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
Foam
Fire-extinguishing powder
Carbon dioxide

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Hydrocarbons
Sulfur oxide (SOx)
Phosphorus oxides
Hydrogen sulfide

5.3 Advice for firefighters

- **Protective equipment:** Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.

· 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.
Prevent from spreading (e.g. by damming-in or oil barriers).
Inform respective authorities in case of seepage into water course or sewage system.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

· 6.4 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

· 7.1 Precautions for safe handling

Use only in well ventilated areas. Do not breathe vapors or spray mist.
Avoid contact with skin, eyes and clothing.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in the original packaging.

· Information about storage in one common storage facility:

Do not store together with oxidising and acidic materials.

· Further information about storage conditions:

Store in cool, dry conditions.
Keep container tightly sealed.

· 7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Dermal	Long term systemic effects	300 mg/kg (Travailleurs / Workers)
Inhalative	Long term systemic effects	1,500 mg/m³ (Travailleurs / Workers)

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68937-40-6 Phenol, isobutylated, phosphate (3:1)

Dermal	Long term systemic effects	10.75 mg/kg (Travailleurs / Workers)
Inhalative	Long term systemic effects	7.58 mg/m ³ (Travailleurs / Workers)

128-37-0 Butylated hydroxytoluene

Dermal	Long term systemic effects	0.5 mg/kg (Travailleurs / Workers)
Inhalative	Long term systemic effects	3.5 mg/m ³ (Travailleurs / Workers)

· PNECs**68937-40-6 Phenol, isobutylated, phosphate (3:1)**

PNEC - Fresh water	0.000798 mg/l
PNEC - Marine water	0.00008 mg/l
PNEC - Soil	0.252 mg/kg
PNEC - Fresh water sediment	0.96 mg/kg

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PNEC - Effects on waste water treatment plants	0.17 mg/l
PNEC aqua (freshwater)	0.199 µg/l
PNEC aqua (marine water)	0.0199 µg/l

· Additional information:

The lists valid during the making were used as basis.

· 8.2 Exposure controls**· Appropriate engineering controls**

No further data; see item 7.

· Individual protection measures, such as personal protective equipment**· General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Wash hands before drinking, eating or smoking.

Wearing of Personal Protective Equipment (PPE) required for all persons with allergies.

· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

· Hand protection

Protective gloves

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

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

· Material of gloves

Nitrile rubber, NBR

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 breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection

Safety glasses

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· **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Fluid

· Colour:

Yellow

· Odour:

Light

· Odour threshold:

Not determined.

· Melting point/freezing point:

< -30 °C

· Boiling point or initial boiling point and boiling range

175 °C

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

0.6 Vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics.)

· Upper:

7.0 Vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics.)

· Flash point:

63 °C (NF EN 22719)

· Ignition temperature:

> 200 °C

· Decomposition temperature:

Not determined.

· pH

Not determined.

· Viscosity:

· Kinematic viscosity at 40 °C

1100 mm²/s (NF EN ISO 3104)

· 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 at 25 °C:

0.850 g/cm³

· Relative density

Not determined.

· Vapour density

Not determined.

· 9.2 Other information

· Appearance:

· Form:

Fluid

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

· Auto-ignition temperature:

Not determined.

· Explosive properties:

Product does not present an explosion hazard.

· Solvent content:

· VOC (EC)

22.75 %

· Change in condition

· Evaporation rate

Not determined.

· Information with regard to physical hazard classes

· Explosives

Void

· Flammable gases

Void

· Aerosols

Void

· Oxidising gases

Void

· Gases under pressure

Void

· Flammable liquids

Void

· Flammable solids

Void

· Self-reactive substances and mixtures

Void

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· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
· 10.3 Possibility of hazardous reactions	None when normally used.
· 10.4 Conditions to avoid	Heat, flames and sparks. Avoid the accumulation of electrostatic charges.
· 10.5 Incompatible materials:	Materials to avoid: strong acids. oxidizing
· 10.6 Hazardous decomposition products:	No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

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

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Oral	LD50.	>5,000 mg/kg (Rat) (OCDE 401)
Dermal	LD50.	>2,000 mg/kg (Rat) (OCDE 402)
Inhalative	LC50/8h.	>5,000 mg/m ³ (Rat) (OCDE 403)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral	LD50.	>5,000 mg/kg (Rat) (OCDE 401)
Dermal	LD50.	>2,000 mg/kg (Rat)
Inhalative	LC50/4h.	17,300-23,300 mg/m ³ (Rat) (OCDE 403)
	LC50/8h.	>5,000 mg/m ³ (Rat) (OCDE 403)

68937-40-6 Phenol, isobutyleneated, phosphate (3:1)

Oral	LD50.	>5,000 mg/kg (Rat)
Dermal	LD50.	>2,000 mg/kg (Rat)
Inhalative	CL50 (1H)	>200 mg/l (Rat)

128-37-0 Butylated hydroxytoluene

Oral	LD50.	>6,000 mg/kg (Rat)
Dermal	LD50.	>2,000 mg/kg (Rat)

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11.2 Information on other hazards
Endocrine disrupting properties

128-37-0 Butylated hydroxytoluene

List II

SECTION 12: Ecological information
12.1 Toxicity
Aquatic toxicity:
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics.

NOELR	0.18 mg/l (Daphnia) (21d) 1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201 - 72h) 0.1 mg/l (Oncorhynchus mykiss) (28d)
EL 50 (48h)	>1,000 mg/l (Daphnia) (OECD 202)
LL50 (96h)	>1,000 mg/l (Oncorhynchus mykiss) (OECD 203)
ErL50 (72h)	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EbL50 (72h)	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LL50 (96h)	18.4 mg/l (Oncorhynchus mykiss) (OECD 203)
LL0 -96h	100 mg/L (Oncorhynchus mykiss)
LL50-48H	>1,000 mg/L (Daphnia)

68937-40-6 Phenol, isobutylated, phosphate (3:1)

Oral LC50/96 h (static)	3.9 mg/l (Fish)
CL50	>200 mg/l (Rat) (1H)
NOEC	0.093 mg/l (Fish) (90 j)
CE 50/48H	0.202 g/ml (Daphnia) (48H)
CL50 (96H)	0.8 mg/l (Fish)

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Oral LC50/96 h	0.199 mg/l (Fish)
EC50	0.758 mg/l (Desmodesmus subspicatus) (96h)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects
Remark:

Harmful to fish

Additional ecological information:
General notes:

Do not allow product to reach ground water, water course or sewage system.

The product contains materials that are harmful to the environment.

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SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Send to an approved waste facility.
Do not allow product to reach sewage system or any water course.

· Uncleaned packaging:

· Recommendation:

Send to an approved waste facility.
Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, ADN, IMDG, IATA

Void

· 14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA

Void

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

Void

· 14.4 Packing group

· ADR, IMDG, IATA

Void

· 14.5 Environmental hazards:

· Marine pollutant:

No

· 14.6 Special precautions for user

Not applicable.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

No further relevant information available.

· National regulations:

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Shelf-life : 24 months from the date it was manufactured.

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· Relevant phrases

H304 May be fatal if swallowed and enters airways.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 EUH066 Repeated exposure may cause skin dryness or cracking.

· 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 (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.