WAXO'LUX ENGINE CLEANER

VERSION 1.0
Issue date: 01 October 2023
Language: English

Safety data sheet prepared from the supplied safety and classification data for the same formulation (source version 1, revision date 25 August 2023).

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	WaxO'lux Engine Cleaner
Product type	Mixture
UFI	DFD3-90T4-T005-0FGH

1.2 Relevant identified uses and uses advised against

Relevant identified use	Industrial and professional alkaline cleaner for vehicle engine compartments and compatible components.
Uses advised against	Any use other than the identified use. Test material compatibility before use and do not apply to hot or energised equipment.

1.3 Details of the supplier of the safety data sheet

Supplier	WaxO'lux
Address	De Tweede Geerden 29H, 5334 LH Velddriel, The Netherlands
Telephone	+31 (0)85 500 5020
E-mail	info@waxolux.nl
Website	www.waxolux.nl
Responsible contact	info@waxolux.nl

1.4 Emergency telephone number

For an acute emergency, call 112. Netherlands: National Poisons Information Centre (NVIC), +31 (0)88 755 8000 (24 hours; accessible to professional healthcare providers only).

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazard class	Category	Hazard statement
Skin corrosion (Skin Corr. 1A)	Category 1A	H314 - Causes severe skin burns and eye damage.
Serious eye damage (Eye Dam. 1)	Category 1	H318 - Causes serious eye damage.

2.2 Label elements

Signal word
DANGER



Hazard statement
H314 Causes severe skin burns and eye damage.

Hazardous ingredient for labelling
Sodium hydroxide.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P260 Do not breathe dust or mist. P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTRE/doctor. P321 Specific treatment is required. P363 Wash contaminated clothing before reuse.

2.3 Other hazards

PBT and vPvB assessment is not applicable according to the source data.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable (mixture).

3.2 Mixtures

Substance	Identifier	Content	Classification (CLP)
Isotridecanol, ethoxylated (>7-15 EO)	CAS 69011-36-5	1-5%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	CAS 164462-16-2	1-5%	Met. Corr. 1, H290
2-Butoxyethanol	CAS 111-76-2; EC 203-905-0	1-5%	Acute Tox. 3 inhalation, H331; Acute Tox. 4 oral, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Sodium hydroxide	CAS 1310-73-2; EC 215-185-5	0.5-<1%	Skin Corr. 1A, H314; Acute Tox. 4, H302

2-Butoxyethanol ATE: oral LD50 1,200 mg/kg; inhalation LC50/4 h 3 mg/l. Sodium hydroxide specific concentration limits: Skin Corr. 1A at >=5%; Skin Corr. 1B at 2-<5%; Skin Irrit. 2 and Eye Irrit. 2 at 0.5-<2%.

Detergents Regulation (EC) No 648/2004: less than 5% non-ionic surfactants, complexing agent and cationic surfactants. See Section 16 for full hazard statement text.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General

Immediately remove contaminated clothing.

Inhalation

Move to fresh air. If unconscious, place in the recovery position and transport securely. Obtain immediate medical advice.

Skin contact

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Obtain immediate medical attention for burns.

Eye contact

Rinse cautiously under running water for several minutes while holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing and obtain immediate medical attention.

Ingestion

Rinse mouth. Give plenty of water if the person is conscious. Do not induce vomiting. Obtain immediate medical attention.

4.2 Most important symptoms and effects

No additional specific information is available. The product may cause severe skin burns and serious eye damage.

4.3 Immediate medical attention and special treatment

Treat symptomatically. Immediate medical attention is required after eye contact, significant skin exposure or ingestion.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures appropriate to the surrounding fire.

5.2 Special hazards arising from the mixture

No additional specific information is available.

5.3 Advice for firefighters

No special measures are stated beyond standard precautions appropriate to the surrounding fire.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and keep unprotected persons away.

6.2 Environmental precautions

Dilute small traces with plenty of water where permitted. Prevent the undiluted product from entering drains, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material such as sand, diatomaceous earth, acid binder, universal binder or sawdust. Use neutralising material where appropriate. Ventilate the area and dispose of contaminated material in accordance with Section 13.

6.4 Reference to other sections

See Sections 7, 8 and 13 for handling, protection and disposal information.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide effective ventilation or local extraction and avoid forming aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including incompatibilities

Keep in a tightly closed, clearly labelled container. Protect from freezing. No special fire or explosion precautions are required under normal conditions.

7.3 Specific end use(s)

Professional alkaline cleaner for vehicle engine compartments and compatible components. Follow the product label and allow surfaces to cool before use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Substance	Long-term limit	Short-term limit
2-Butoxyethanol	100 mg/m3 (20 ppm)	246 mg/m3 (50 ppm)

8.2 Exposure controls

Engineering controls	Provide effective ventilation or local exhaust. Avoid aerosols.
General hygiene	Keep away from food and drink. Remove contaminated clothing immediately. Wash hands before breaks and after work. Avoid skin and eye contact.
Hand protection	Wear chemical-resistant protective gloves. Select material and breakthrough time with the glove manufacturer for the actual conditions of use.
Eye/face protection	Wear tightly fitting chemical safety goggles; add a face shield where splashing is possible.

Skin protection	Wear suitable protective clothing and footwear.
Respiratory protection	Not normally required with adequate ventilation. Use suitable protection if mist or airborne concentrations cannot be controlled.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	According to product specification
Odour	Characteristic
Odour threshold	Not determined
Melting/freezing point	Not determined
Initial boiling point / boiling range	Not determined
Flammability	Not determined
Lower/upper explosion limits	Not determined
Flash point	Not determined
Decomposition temperature	Not determined
pH at 20 deg C	12.9
Dynamic viscosity	Not determined
Water solubility	Completely miscible
Vapour pressure	Not determined
Density at 20 deg C	1.034 g/cm3
Relative density / vapour density	Not determined
Particle characteristics	Not applicable to a liquid

9.2 Other information

Self-ignition	The product is not self-igniting
Explosive properties	The product is not explosive
Organic solvent content	2.0%
VOC (EU)	1.99%

10 STABILITY AND REACTIVITY

10.1 Reactivity

No additional relevant information is available.

10.2 Chemical stability

No decomposition occurs when used as directed.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

No additional specific information is available. Protect from freezing and avoid uncontrolled heating.

10.5 Incompatible materials

No additional specific information is available.

10.6 Hazardous decomposition products

No hazardous decomposition products are known under normal conditions.

11 TOXICOLOGICAL INFORMATION

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

Acute toxicity	Does not meet the classification criteria for the mixture.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Does not meet the classification criteria.
Germ cell mutagenicity	Does not meet the classification criteria.
Carcinogenicity	Does not meet the classification criteria.
Reproductive toxicity	Does not meet the classification criteria.
STOT - single exposure	Does not meet the classification criteria.
STOT - repeated exposure	Does not meet the classification criteria.
Aspiration hazard	Does not meet the classification criteria.

11.2 Information on other hazards

None of the ingredients is identified as having endocrine-disrupting properties in the source data.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

No specific aquatic toxicity data are available for the mixture.

12.2 Persistence and degradability

No additional relevant information is available.

12.3 Bioaccumulative potential

No additional relevant information is available.

12.4 Mobility in soil

No additional relevant information is available.

12.5 Results of PBT and vPvB assessment

Not applicable according to the source data.

12.6 Endocrine-disrupting properties

The product contains no substances identified as having endocrine-disrupting properties.

12.7 Other adverse effects

Water hazard classification: Netherlands B(4), slightly harmful to aquatic organisms; German WGK 1, slightly hazardous to water. Do not discharge undiluted or unneutralised product to surface water, groundwater or drains. Large releases may raise water pH and harm aquatic organisms.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not dispose of with household waste and do not discharge to drains. Dispose of product residues and contaminated packaging in accordance with applicable regulations through an authorised waste contractor. Clean packaging with water, with cleaning agent if necessary, before recycling where permitted.

14 TRANSPORT INFORMATION

The product is not classified as dangerous goods under ADR, IMDG or IATA regulations.

14.1 UN number or ID number	Not applicable

14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	No special transport precautions stated
14.7 Maritime transport in bulk	Not intended to be carried in bulk

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation

CLP	Classified and labelled according to Regulation (EC) No 1272/2008
Detergents Regulation	Contains less than 5% non-ionic surfactants, complexing agent and cationic surfactants
Water hazard	Netherlands B(4): slightly harmful to aquatic organisms

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the mixture.

16 OTHER INFORMATION

16.1 Full text of hazard statements referenced in Sections 2 and 3

Code	Text
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.

16.2 Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE: Acute Toxicity Estimate. CLP: Regulation (EC) No 1272/2008. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. PBT: Persistent, Bioaccumulative and Toxic. REACH: Regulation (EC) No 1907/2006. VOC: Volatile Organic Compounds. vPvB: very Persistent and very Bioaccumulative.

16.3 Document basis and notice

This English WaxO'lux presentation is based on the supplied Dutch safety data for the same formulation, source version 1 revised 25 August 2023. The classification, composition and technical values have not been recalculated.

The information describes the product for health, safety and environmental purposes and does not guarantee specific product properties. Users must verify suitability for the intended use and comply with current laws, label instructions and workplace procedures.

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