

WAXO'LUX WHEEL CLEANER

VERSION 1.0
Issue date: 02 July 2024
Language: English

Safety data sheet prepared from the technical and classification data supplied for the same formulation (source revision 3, 02 July 2024).

1

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

1.1 Product identifier

Trade name	WaxO'lux Wheel Cleaner
Product type	Mixture

1.2 Relevant identified uses and uses advised against

Relevant identified use	Professional cleaner for vehicle wheels and tyres.
Uses advised against	Any use other than the identified use.

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

Classification according to Regulation (EC) No 1272/2008 (CLP):

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.
Aquatic chronic hazard (Aquatic Chronic 3)	Category 3	H412 - Harmful to aquatic life with long lasting effects.

2.2 Label elements

Signal word
DANGER

Environmental pictogram
Gevarenpictogram



Hazard statements
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

Hazardous ingredients for labelling
Sodium hydroxide; sodium metasilicate pentahydrate.

Precautionary statements

Prevention: P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.

2.3 Other hazards

Based on the available data, the mixture contains no PBT or vPvB substances at concentrations of 0.1% or more and no substances identified as having endocrine-disrupting properties at concentrations of 0.1% or more.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable (mixture).

3.2 Mixtures

Substance	Identifier	Content	Classification (CLP)
Sodium metasilicate pentahydrate	CAS 10213-79-3; EC 600-279-4	3 - <5%	Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335
1-Heptanol, 2-propyl-, 7EO	CAS 160875-66-1	1 - <3%	Acute Tox. 4, H302; Eye Dam. 1, H318
Sodium hydroxide	CAS 1310-73-2; EC 215-185-5	2 - <5%	Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318
Fatty acid diethanolamide	CAS 68603-42-9; EC 271-657-0	1 - <2.5%	Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 2, H411
1-Methoxy-2-propanol	CAS 107-98-2; EC 203-539-1	1 - <5%	Flam. Liq. 3, H226; STOT SE 3, H336
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS 68891-38-3; EC 500-234-8	1 - <3%	Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412
Ethylenediaminetetraacetic acid, tetrasodium salt tetrahydrate	CAS 64-02-8; EC 200-573-9	1 - <3%	Acute Tox. 4, H302/H332; STOT RE 2, H373; Eye Dam. 1, H318

See Section 16 for the full text of hazard statements.

4 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact

Remove contact lenses. Immediately rinse with plenty of water for at least 30 to 60 minutes while holding eyelids open. Obtain immediate medical attention.

Skin contact

Remove contaminated clothing. Shower immediately. Obtain immediate medical attention.

Ingestion

Give as much water as possible to drink. Obtain immediate medical attention. Do not induce vomiting unless expressly directed by a physician.

Inhalation

Call a physician immediately. Move the affected person to fresh air, away from the accident area. If breathing stops, provide artificial respiration. Rescuers must use appropriate precautions.

4.2 Most important symptoms and effects

No specific information on symptoms and effects is available for the mixture.

4.3 Immediate medical attention and special treatment

No specific information is available. Treat symptomatically.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable media	Carbon dioxide, foam, dry chemical powder or water spray.
Unsuitable media	No extinguishing medium is specifically identified as unsuitable.

5.2 Special hazards arising from the mixture

Avoid breathing combustion products.

5.3 Advice for firefighters

Cool containers with water spray to prevent decomposition and the release of substances potentially hazardous to health. Wear complete protective firefighting clothing and self-contained breathing apparatus. Collect contaminated firewater; do not allow it to enter drains. Dispose of fire residues in accordance with applicable regulations.

6

ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stop the leak if this can be done safely. Wear suitable protective equipment, including the personal protective equipment described in Section 8, to prevent contamination of skin, eyes and clothing.

6.2 Environmental precautions

Prevent the product from entering drains, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Collect the spilled product in a suitable compatible container. Absorb the remaining product with inert absorbent material. Ventilate the affected area. Dispose of contaminated material as described in Section 13.

6.4 Reference to other sections

See Sections 8 and 13 for personal protection and disposal information.

7

HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequately earthed systems for installations and personnel. Avoid contact with eyes and skin. Do not breathe dust, vapour or mist. Do not eat, drink or smoke during use. Wash hands after use. Prevent release to the environment.

7.2 Conditions for safe storage, including incompatibilities

Store only in the original container in a well-ventilated place away from ignition sources. Keep containers tightly closed and clearly labelled. Avoid overheating and severe impacts. Keep away from incompatible materials; see Section 10.

7.3 Specific end use(s)

Professional wheel and tyre cleaner. Follow the product label and directions for use.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Selected occupational exposure limits stated in the source data

Substance	Jurisdiction	TWA (8 h)	STEL (15 min)	Note
Sodium hydroxide	United Kingdom WEL	-	2 mg/m3	-
Sodium hydroxide	ACGIH TLV	-	2 mg/m3	Ceiling
1-Methoxy-2-propanol	Netherlands TGG	375 mg/m3	563 mg/m3	Skin
1-Methoxy-2-propanol	EU OEL	375 mg/m3 (100 ppm)	568 mg/m3 (150 ppm)	Skin
1-Methoxy-2-propanol	United Kingdom WEL	375 mg/m3 (100 ppm)	560 mg/m3 (150 ppm)	Skin

8.2 Exposure controls

Engineering controls	Provide effective local exhaust and general ventilation. Install an emergency shower and eyewash station.
Hand protection	Wear Category III chemical-resistant gloves. Select material and breakthrough time in accordance with EN 374 and the intended conditions of use.
Skin protection	Wear long-sleeved protective clothing and Category III occupational safety footwear. Wash with soap and water after removing protective clothing.
Eye/face protection	Use a hooded face shield, or a face shield together with tightly fitting safety goggles in accordance with EN 166.
Respiratory protection	If exposure limits may be exceeded or ventilation is insufficient, use a suitable Type A filter selected for the concentration. Use supplied-air respiratory protection in emergencies.
Environmental controls	Control emissions from processes and ventilation. Do not discharge residues uncontrolled to wastewater or waterways.

9

PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Violet
Odour	Not available
Melting/freezing point	Not available
Initial boiling point	Not available
Flammability	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	14
Kinematic viscosity	Not available
Solubility	Soluble
Vapour pressure	Not available
Relative density	1.05
Particle characteristics	Not applicable

9.2 Other information

VOC (Directive 2010/75/EU)	1.95% - 20.47 g/l
VOC (volatile carbon)	1.04% - 10.91 g/l

10

STABILITY AND REACTIVITY

10.1 Reactivity

No specific reaction hazards are expected under normal conditions of use. Aqueous sodium metasilicate solutions behave as strong bases and can corrode aluminium, zinc, tin and their alloys. 1-Methoxy-2-propanol dissolves some rubbers and may slowly form explosive peroxides with air.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Vapours may form explosive mixtures with air. Sodium metasilicate pentahydrate reacts violently with acids. 1-Methoxy-2-propanol may react dangerously with strong oxidising agents and strong acids.

10.4 Conditions to avoid

Avoid overheating, electrostatic charge accumulation and ignition sources. Protect sodium hydroxide from air, moisture and heat; protect 1-methoxy-2-propanol from air.

10.5 Incompatible materials

Strong acids, ammonia, zinc, lead, aluminium, water, flammable liquids, oxidising agents and alkali metals, as applicable to the components.

10.6 Hazardous decomposition products

Thermal decomposition or fire may release vapours potentially hazardous to health.

11

TOXICOLOGICAL INFORMATION

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

Acute toxicity	Mixture ATE: oral >2,000 mg/kg; inhalation dust/mist >5 mg/l; inhalation vapour >20 mg/l. Not classified for dermal acute toxicity.
Skin corrosion/irritation	Causes severe skin burns. Classification based on the experimentally determined pH.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory/skin sensitisation	Does not meet classification criteria.
Germ cell mutagenicity	Does not meet classification criteria.
Carcinogenicity	Does not meet classification criteria.
Reproductive toxicity	Does not meet classification criteria.
STOT - single exposure	Does not meet classification criteria for the mixture.
STOT - repeated exposure	Does not meet classification criteria for the mixture.
Aspiration hazard	Does not meet classification criteria.

Selected component data

Substance	Endpoint	Value
Sodium hydroxide	LD50 oral / dermal (rat)	1,350 mg/kg / 1,350 mg/kg
1-Methoxy-2-propanol	LD50 oral (rat)	5,300 mg/kg
1-Methoxy-2-propanol	LD50 dermal (rabbit)	13,000 mg/kg
1-Methoxy-2-propanol	LC50 inhalation vapour (rat, 4 h)	54.6 mg/l

11.2 Information on other hazards

Based on the available data, the mixture contains no substances listed by the principal European authorities as potential or suspected endocrine disruptors for human health at relevant concentrations.

12

ECOLOGICAL INFORMATION

The mixture is harmful to aquatic organisms with long-lasting effects.

12.1 Toxicity

No mixture-specific data are available.

12.2 Persistence and degradability

Sodium hydroxide: water solubility >10,000 mg/l; degradability data not available. 1-Methoxy-2-propanol: water solubility 1,000-10,000 mg/l; readily biodegradable.

12.3 Bioaccumulative potential

1-Methoxy-2-propanol: log Kow <1.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Based on available data, the mixture contains no PBT or vPvB substances at concentrations of 0.1% or more.

12.6 Endocrine-disrupting properties

Based on available data, the mixture contains no substances identified as potential or suspected endocrine disruptors for the environment at relevant concentrations.

12.7 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse where possible. Product residues must be considered hazardous special waste. Waste classification must be determined under applicable legislation. Dispose through an authorised waste contractor in accordance with national and local requirements. Send contaminated packaging to authorised recovery or disposal facilities in accordance with applicable waste regulations.

14 TRANSPORT INFORMATION

The mixture is not regulated as dangerous goods under ADR, RID, IMDG or IATA according to the source safety data.

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	Not applicable
14.7 Maritime transport in bulk	Not applicable

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation

Seveso III (Directive 2012/18/EU)	No category
REACH Annex XVII restrictions	Mixture: entries 3 and 40; contained substances: entry 75.
Explosives precursors (EU) 2019/1148	Not applicable
REACH Candidate List (SVHC)	No SVHC substances at concentrations of 0.1% or more, based on available data.
REACH Annex XIV	None
Rotterdam / Stockholm Conventions	None identified

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the mixture or substances listed in Section 3.

16 OTHER INFORMATION

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

Code	Text
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

Code	Text
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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. DNEL: Derived No-Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. OEL: Occupational Exposure Limit. PBT: Persistent, Bioaccumulative and Toxic. REACH: Regulation (EC) No 1907/2006. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. STEL: Short-Term Exposure Limit. TWA: Time-Weighted Average. vPvB: very Persistent and very Bioaccumulative. VOC: Volatile Organic Compound.

16.3 Document basis and notice

This English WaxO'lux presentation is based on the safety and technical data supplied for the same formulation, source revision 3 dated 02 July 2024, and follows the 16-section structure of Annex II to REACH as amended by Regulation (EU) 2020/878. The product classification and technical values have not been recalculated.

The information reflects the knowledge available for the source revision and is intended to describe the product for health, safety and environmental purposes. It does not constitute a guarantee of specific product properties. Users must determine suitability for their intended use and comply with applicable laws, label instructions and workplace procedures.

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