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

1.1 Product identifier

Clay Lube
UFI: 7DDN-X3MW-S206-164Y

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

1.2.1 Relevant uses

Car care

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Waxoyl AG
Mühlemattstrasse 24
4104 Oberwil / SWITZERLAND
Phone +41 61 281 77 94
Homepage www.waxoyl.com
E-mail info@waxoyl.ch

Address enquiries to

Technical information info@waxoyl.ch

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)
Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Eye Irrit. 2: H319 Causes serious eye irritation.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word WARNING

Hazard statements H319 Causes serious eye irritation.

Precautionary statements
P261 Avoid breathing vapours / spray.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.

Cleaner, 648/2004/CE, contains:
< 5% non-ionic surfactants
< 5% cationic surfactants
preservatives DIDECYLDIMONIUM CHLORIDE
perfumes LIMONENE

2.3 Other hazards

Physico-chemical hazards Vapours can form an explosive mixture with air.

Human health hazards Frequent persistent contact with the skin can cause skin irritation.
Contains no ingredients with endocrine-disrupting properties.
Under evaluation (ECHA, Endocrine disruptor assessment list): CAS7173-51-5

Environmental hazards Does not contain any PBT or vPvB substances.

Further hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
5 - < 10	Propan-2-ol
	CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - STOT SE 3: H336
< 5	2-Butoxyethanol
	CAS: 111-76-2, EINECS/ELINCS: 203-905-0, EU-INDEX: 603-014-00-0
	GHS/CLP: Acute Tox. 4: H302 - Acute Tox. 3: H331 - Eye Irrit. 2: H319 - Skin Irrit. 2: H315
< 0,25	Didecyldimethylammonium chloride
	CAS: 7173-51-5, EINECS/ELINCS: 230-525-2, EU-INDEX: 612-131-00-6, Reg-No.: 01-2119945987-15-XXXX
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 2: H411, M-Factor (acute): 10

Comment on component parts For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion Get medical advice.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam, dry powder, water spray jet, carbon dioxide.

Extinguishing media that must not be used Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
In the event of fire the following can be released:
Nitrogen oxides (NOx), carbon monoxide (CO).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Only cool any containers at risk with jets of water spray if the containers are intact and impermeable.
Heat causes increase in pressure and risk of bursting - Keep away from the container.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.
Ensure adequate ventilation.
Keep away from all sources of ignition.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The normal safety precautions for handling chemicals must be observed.
Use only in well-ventilated areas.

Keep away from open flames, hot surfaces and sources of ignition.
Do not spray on a naked flame or any incandescent material.

Use barrier skin cream.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.

Do not store together with food and animal food/diet.
Do not store together with acids and oxidizing agents.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating and from sun.
Keep away from heat, sparks and open flames.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

Substance / EC LIMIT VALUES
2-Butoxyethanol
CAS: 111-76-2, EINECS/ELINCS: 203-905-0, EU-INDEX: 603-014-00-0
Eight hours: 20 ppm, 98 mg/m³, H
Short-term (15-minute): 50 ppm, 246 mg/m³

DNEL

Substance
Didecyldimethylammonium chloride, CAS: 7173-51-5
There are no DNEL values established for the substance.

PNEC

Substance
Didecyldimethylammonium chloride, CAS: 7173-51-5
freshwater, 1,1 µg/L
seawater, 0,11 µg/L
sewage treatment plants (STP), 0,14 mg/L
sediment (freshwater), 61,86 mg/kg sediment dw
sediment (seawater), 6,186 mg/kg sediment dw
soil, 1,4 mg/kg

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0,4 mm Butyl rubber, >120 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not breathe vapour/spray.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	Liquid
Color	colourless turbid
Odor	characteristic
Odour threshold	not determined
pH-value	6 - 8
pH-value [1%]	not determined
Boiling point or initial boiling point and boiling range [°C]	< 100
Flash point [°C]	The L.2 test for self-sustaining combustion (2.6.4.5 CLP Regulation) has given a negative result.
Flammability	not flammable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	0,98 - 1,00 (24 °C)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water [g/L]	miscible
Solubility other solvents	not relevant
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	dyn: < 20 mPas
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

When handled and stored properly, no hazardous reactions are anticipated.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents and strong acids.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

Strong oxidizing agent.
Strong acids.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acute oral toxicity

Product
ATE-mix, oral, > 2000 mg/kg

Substance
Propan-2-ol, CAS: 67-63-0
LD50, oral, Rat, 5840 mg/kg
Didecyldimethylammonium chloride, CAS: 7173-51-5
LD50, Harmonised classification, 300 - < 2000 mg/kg
2-Butoxyethanol, CAS: 111-76-2
LD50, oral, Rat, 1746 mg/kg (OECD 401)
LD50, oral, Guinea pig, 1414 mg/kg
ATE, oral, 1200 mg/kg bw

Acute dermal toxicity

Product
ATE-mix, dermal, > 2000 mg/kg

Substance
Propan-2-ol, CAS: 67-63-0
LD50, dermal, Rabbit, 13900 mg/kg
Didecyldimethylammonium chloride, CAS: 7173-51-5
LD50, dermal, Rabbit, 3342 mg/kg
2-Butoxyethanol, CAS: 111-76-2
LD50, dermal, Guinea pig, > 2000 mg/kg (OECD 402)

Acute inhalational toxicity

Product
ATE-mix, inhalation (vapour), > 20 mg/l 4h

Substance
Propan-2-ol, CAS: 67-63-0
LC50, inhalative, Rat, 25 mg/l 4h
2-Butoxyethanol, CAS: 111-76-2
LC0, inhalation (vapour), Guinea pig, > 3,1 mg/l/1h
ATE, inhalation (vapour), 3 mg/L, Category 3,

Serious eye damage/irritation Irritant
Based on the available information, the classification criteria are fulfilled.
Calculation method

Substance
Propan-2-ol, CAS: 67-63-0
Eye, irritant
Didecyldimethylammonium chloride, CAS: 7173-51-5
Eye, Causes serious eye damage.
2-Butoxyethanol, CAS: 111-76-2
Study, irritant

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0

dermal, non-irritating
Didecyldimethylammonium chloride, CAS: 7173-51-5
dermal, corrosive
2-Butoxyethanol, CAS: 111-76-2
Study, irritant

Respiratory or skin sensitisation Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
dermal, non-sensitizing
Didecyldimethylammonium chloride, CAS: 7173-51-5
dermal, Guinea pig, OECD 406, non-sensitizing
2-Butoxyethanol, CAS: 111-76-2
dermal, Guinea pig, OECD 406, negative

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
inhalative, adverse effect observed
2-Butoxyethanol, CAS: 111-76-2
inhalative, non-irritating

Specific target organ toxicity — repeated exposure Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
no adverse effect observed
Didecyldimethylammonium chloride, CAS: 7173-51-5
NOAEL, oral, Dog, 10 mg/kg bw/day (chronic), The effects observed are not sufficient for classification.
2-Butoxyethanol, CAS: 111-76-2
LOAEL, oral, Rat, 69 mg/kg bw/day, Study, negative
LOAEC, inhalative, Rat, 152 mg/m³, Study, negative

Mutagenicity Based on the available information, the classification criteria are not fulfilled.

Substance
Didecyldimethylammonium chloride, CAS: 7173-51-5
in vitro, OECD 471, negative
in vivo, OECD 475, negative

Reproduction toxicity Based on the available information, the classification criteria are not fulfilled.

- Fertility

Substance
Propan-2-ol, CAS: 67-63-0
no adverse effect observed
Didecyldimethylammonium chloride, CAS: 7173-51-5
NOAEL, oral, Rat, 30 mg/kg bw/day (subacute), no adverse effect observed, Effect on fertility,
NOAEL, oral, Rat, 800 µg/kg bw/day (subacute), no adverse effect observed, Effect on developmental toxicity,
2-Butoxyethanol, CAS: 111-76-2
NOAEL, oral, Rat, 720 mg/kg bw/day, Study, negative

- Development

Substance
Propan-2-ol, CAS: 67-63-0

no adverse effect observed
Didecyldimethylammonium chloride, CAS: 7173-51-5
NOAEL, oral, Rat, 30 mg/kg bw/day (subacute), no adverse effect observed, Effect on fertility,
NOAEL, oral, Rat, 800 µg/kg bw/day (subacute), no adverse effect observed, Effect on developmental toxicity,
2-Butoxyethanol, CAS: 111-76-2
NOAEL, oral, Rat, 720 mg/kg bw/day, Study, negative

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
no adverse effect observed
Didecyldimethylammonium chloride, CAS: 7173-51-5
NOAEL, oral, Rat, 55.4 mg/kg bw/day (chronic), no adverse effect observed
2-Butoxyethanol, CAS: 111-76-2
NOAEC, inhalative, Rat, 125 mg/m³, Study, negative

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.
Under evaluation (ECHA, Endocrine disruptor assessment list): CAS7173-51-5

11.2.2 Other information none

SECTION 12: Ecological information

12.1 Toxicity

Substance
Propan-2-ol, CAS: 67-63-0
LC50, (24h), Daphnia magna, 9,714 g/l, OECD 202
LC50, (96h), Pimephales promelas, 9,64 - 10 g/l, OECD 203
EC50, (72h), Scenedesmus subspicatus, > 100 mg/l
EC50, Bacteria, > 100 mg/l
LOEC, (8d), Algae, 1000 mg/l
Didecyldimethylammonium chloride, CAS: 7173-51-5
EC50, (48h), Invertebrates, 29 - 57 µg/L
EC50, (72h), Algae, 62 µg/L
NOEC, (72h), Algae, 13 µg/L
NOEC, (21d), Invertebrates, 21 µg/L
LOEC, (21d), Invertebrates, 47 µg/L
2-Butoxyethanol, CAS: 111-76-2
LC50, (96h), Oncorhynchus mykiss, 1474 mg/l (OECD 203)
EC50, (48h), Daphnia magna, 1550 mg/l (OECD 202)
EC50, (72h), Pseudokirchneriella subcapitata, 1840 mg/l (OECD 201)
EC0, (16h), Pseudomonas putida, 700 mg/l (DIN 38412)
NOEL, (21d), Brachidanio rerio, > 100 mg/l
NOEL, (21d), Daphnia magna, 100 mg/l (OECD 211)

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Substance
Propan-2-ol, CAS: 67-63-0
(5d), 53 %, The product is readily biodegradable.
Didecyldimethylammonium chloride, CAS: 7173-51-5
(28d), 72 % (10 mg/l), OECD 301 B, The product is readily biodegradable.
(28d), 93,3 % (0,016 mg/l), The product is readily biodegradable.
(24 - 70d), 91 %, OECD 303A
2-Butoxyethanol, CAS: 111-76-2
(28d), > 60%, OECD 301 B, The product is readily biodegradable.

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

Substance
Propan-2-ol, CAS: 67-63-0
log Kow, 0,05 (25°C)

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of contents/container in accordance with local/national regulation.
Coordinate disposal with the disposal contractor/authorities if necessary.
Do not dispose it in the environment or via household waste systems.
The disposal by sewage disposal systems is generally not allowed.

Waste no. (recommended) 070604*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

EEC-REGULATIONS	2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions. 40, 75
	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2026, 67th Edition)
NATIONAL REGULATIONS (EU):	
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	14 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H318 Causes serious eye damage.
H314 Causes severe skin burns and eye damage.
H331 Toxic if inhaled.
H315 Causes skin irritation.
H302 Harmful if swallowed.

H336 May cause drowsiness or dizziness.
H319 Causes serious eye irritation.
H225 Highly flammable liquid and vapour.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

Classification procedure	Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
Modified position	none

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