Wash & Wax 5l

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

1.1. Product identifier

Trade name/designation:

Wash & Wax 5l

Article No.:
T114005

UFI:
3G4D-MSAK-MTFR-XA0H

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

Use of the substance/mixture:
Exterior Vehicle Cleaner

Relevant identified uses:

	Product Categories [PC]
PC 35:	Washing and cleaning products

* **1.3. Details of the supplier of the safety data sheet**

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

* **2.1. Classification of the substance or mixture**

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

*
2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07
Exclamation mark

Signal word: Warning

Hazard statements for health hazards	
H319	Causes serious eye irritation.

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing and eye protection/face protection.

Precautionary statements Response	
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.

*
2.3. Other hazards

Other adverse effects:

Contains no PBT/vPvB substances ≥ 0.1%, assessed according to REACH Annex XIII.
Contains no endocrine disruptor (ED) (in a concentration of ≥ 0.1 %)

SECTION 3: Composition/information on ingredients

*
3.2. Mixtures

Description:

Cleaning agent

Additional information:

The product does not contain any (further) ingredients that are classified according to the current knowledge of the supplier and contribute to the classification of the product and therefore need to be specified in this section.
Ingredients according to Regulation (EC) No. 648/2004: ≥5% - <15% non-ionic surfactants ;Fragrances, Preservative

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 69011-36-5 EC No.: 931-138-8	**Isotridecanol, ethoxylated (>5-20 EO)** Acute Tox. 4 (H302), Eye Dam. 1 (H318) Danger **Acute Toxicity Estimate** ATE (oral) > 300 mg/kg ATE (dermal) > 2,000 mg/kg	2.5 – < 5 %
CAS No.: 61788-90-7 EC No.: 263-016-9	**Coco Dimethyl Aminoxide fractionated** Aquatic Acute 1 (H400), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger **Specific concentration limit (SCL)** Eye Dam. 1; H318: C ≥ 10% Eye Irrit. 2; H319: 1% ≤ C < 10% **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg	< 1 %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

* 4.1. Description of first aid measures

General information:
Do not leave affected person unattended. Remove victim out of the danger area. If unconscious, position and transport in stable lateral position. Do not allow anything to be taken by mouth. Take off contaminated clothing and wash it before reuse. If in doubt, or if you experience any symptoms, contact a doctor.

Following inhalation:
Fresh air supply, consult a doctor in case of complaints. In the event of irregular breathing or respiratory arrest, seek medical assistance immediately and initiate first aid measures. In case of respiratory tract irritation, consult a physician.

In case of skin contact:
Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:
Any contact lenses must be removed. One must immediately and extensively wash with water for at least 15 minutes, opening the eyelids well. Call a physician in any case!

Following ingestion:
If swallowed, rinse mouth with water (only if the victim is conscious). Consult a doctor if symptoms persist.

* 4.2. Most important symptoms and effects, both acute and delayed

None known

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

For advice from a specialist, doctors should contact the Poison Control Centre.

SECTION 5: Firefighting measures

* 5.1. Extinguishing media

Suitable extinguishing media:
Spray water, Foam, alcohol resistant foam, Dry extinguishing powder, Carbon dioxide (CO2); Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:
Water in full jet

* 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Toxic vapours can be released. Carbon monoxide, Carbon dioxide (CO2)

* 5.3. Advice for firefighters

Do not inhale explosion and combustion gases. Co-ordinate fire-fighting measures to the fire surroundings. Do not allow run-off from fire-fighting to enter drains or water courses. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fight fire with normal precautions from a reasonable distance. Wear self-contained respiratory equipment. Wear protective clothing, eye protection, face protection.

SECTION 6: Accidental release measures

* 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Remove persons to safety. Ventilate affected area. Special danger of slipping by leaking/spilling product.

6.1.2. For emergency responders

Personal protection equipment:
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Use personal protective equipment as required.

* 6.2. Environmental precautions
Dilute with plenty of water. Do not allow to enter into surface water or drains. In case of spillage into water or sewage system, inform the competent authorities. Retain contaminated washing water and dispose it.

* 6.3. Methods and material for containment and cleaning up
For cleaning up:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

Other information:
Do not allow to enter into surface water or drains. Provide adequate ventilation. Dispose of contaminated material as waste according to section 13..

* 6.4. Reference to other sections
SECTION 5: Firefighting measures
SECTION 8: Exposure controls/personal protection
SECTION 10: Stability and reactivity
SECTION 13: Disposal considerations

SECTION 7: Handling and storage

* 7.1. Precautions for safe handling
Protective measures

Measures to prevent aerosol and dust generation:
Ensure good ventilation/extraction at the workplace.

Advices on general occupational hygiene
Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Keep away from food, drink and animal feed.

* 7.2. Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from heat, weather, moisture and frost.

Requirements for storage rooms and vessels:
Keep/Store only in original container. Store in a well-ventilated place. Keep container tightly closed.

Hints on storage assembly:
Keep away from: alkalines, Oxidising substances, Acids

Storage class (TRGS 510, Germany): 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

* 7.3. Specific end use(s)
Recommendation:
See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No data available

* 8.2. Exposure controls
8.2.1. Appropriate engineering controls
Ensure good ventilation/extraction at the workplace. Offer eye showers and emergency showers at the workplace.

8.2.2. Personal protection equipment


Eye/face protection:
Safety goggles with side shields (EN 166). (EN ISO 16321)

Skin protection:
Hand protection:
Wear protective gloves. Chemical protective gloves (according to European standard EN 374 or equivalent). Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
Glove material: NBR (Nitrile rubber); Recommended material thickness: ≥ 0,5 mm; Breakthrough time: >480 min.

Body protection:
Protective work clothing (EN ISO 13688)

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. Full-/half-/quarter-face masks (EN 136/140). Combination filtering device (gas, Vapours, ...) Respirator filter ABEK-P2 (EN 14387), identification colour brown, grey, yellow, green, white.

Other protection measures:
Take recovery periods for skin regeneration. Preventive skin protection with skin protection ointment. Wash hands thoroughly after handling.

8.2.3. Environmental exposure controls
Do not allow uncontrolled discharge of product into the environment. Do not allow to enter drains/surface water/ground water. Use a suitable container to prevent environmental pollution.

SECTION 9: Physical and chemical properties

*
9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Colour: orange
Odour: fruity
flammability: No

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	8.5		
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	100 °C		
Flash point	> 100 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	> 400 °C		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	2.3 kPa	20 °C	
Vapour density	*No data available*		
Density	1.02 kg/L		
Bulk density	*not applicable*		
Water solubility	completely miscible		
Dynamic viscosity	< 10 cP		
Kinematic viscosity	9.804 mm²/s		

* 9.2. Other information
No data available

SECTION 10: Stability and reactivity

* 10.1. Reactivity
The product is not reactive under normal conditions of use, storage and transport.

* 10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

* 10.4. Conditions to avoid
None known

* 10.5. Incompatible materials
Oxidizing agent

10.6. Hazardous decomposition products
No dangerous decomposition products known.

SECTION 11: Toxicological information

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

Isotridecanol, ethoxylated (>5-20 EO)	CAS No.: 69011-36-5 EC No.: 931-138-8
ATE (oral): >300 mg/kg	
LD_{50} oral: >300 – 2,000 mg/kg (Ratte)	
LD_{50} dermal: >2,000 mg/kg (Kaninchen)	
Coco Dimethyl Aminoxide fractionated	CAS No.: 61788-90-7 EC No.: 263-016-9
LD_{50} oral: >2,000 mg/kg (Rat)	

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Is not classified as skin corrosive/irritant.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
non-irritant.

Germ cell mutagenicity:
Is not to be classified as germ cell mutagenic (mutagenic).

Carcinogenicity:
Is not to be classified as carcinogenic.

Reproductive toxicity:
Is not classified as toxic for reproduction.

STOT-single exposure:
Is not to be classified as specific target organ toxicant (single exposure).

STOT-repeated exposure:
Shall not be classified as specific target organ toxicant (repeated exposure).

Aspiration hazard:
Is not to be classified as an aspiration hazard.

* 11.2. Information on other hazards

Endocrine disrupting properties:
Contains no endocrine disruptor (ED) (in a concentration of ≥ 0.1 %)

SECTION 12: Ecological information

* 12.1. Toxicity

Isotridecanol, ethoxylated (>5-20 EO) CAS No.: 69011-36-5 EC No.: 931-138-8	
LC_{50}: >10 – 100 mg/L 4 d (Brachydanio rerio)	
EC_{50}: >1 – 10 mg/L 3 d (Scenedesmus subspicatus)	
LC_{50}: >10 – 100 mg/L 4 d (Fisch)	
EC_{50}: >1 – 10 mg/L 2 d (daphnia)	
Coco Dimethyl Aminoxide fractionated CAS No.: 61788-90-7 EC No.: 263-016-9	
EC_{50}: >1 – 10 mg/L 2 d (crustaceans) OECD 202	
EC_{50}: >0.1 – 1 mg/L 3 d (Algae/water plant) OECD 201	
LC_{50}: >1 – 10 mg/L 4 d (fish)	

* 12.2. Persistence and degradability

Additional information:
The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

* 12.3. Bioaccumulative potential

No data available

* 12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Isotridecanol, ethoxylated (>5-20 EO) CAS No.: 69011-36-5 EC No.: 931-138-8
Results of PBT and vPvB assessment: —
Coco Dimethyl Aminoxide fractionated CAS No.: 61788-90-7 EC No.: 263-016-9
Results of PBT and vPvB assessment: —

Contains no PBT/vPvB substances ≥ 0.1%, assessed according to REACH Annex XIII.

12.6. Endocrine disrupting properties

Contains no endocrine disruptor (ED) (in a concentration of ≥ 0.1 %)

* 12.7. Other adverse effects

water hazard class 2: obviously hazardous to water

SECTION 13: Disposal considerations

* 13.1. Waste treatment methods

Must not be disposed of together with household waste. Do not allow to enter into surface water or drains. Avoid release to the environment. Waste must be separated in such a way that it can be treated separately by the municipal or national waste disposal facilities. Dispose of the contents / container in accordance with local / regional / national / international regulations.

Waste treatment options

Appropriate disposal / Package:
Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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**

15.1.1. EU legislation
Restrictions on use:
This product meets the criteria for classification in accordance with Regulation No. 1272/2008/EC.
Restriction conditions: R3 - Number 3
Substances of Very High Concern (SVHC) according to REACH, Article 57: None of the ingredients are included.
Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): None of the ingredients are included.
Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013: None of the ingredients are included.
Regulation (EC) No. 648/2004 [Detergents regulation]: ≥5% - <15% non-ionic surfactants Fragrances Preservative
Regulation (EC) 2019/1021 [POP Regulation]: None of the ingredients are included.

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

* **16.1. Indication of changes**

1.2.	Relevant identified uses of the substance or mixture and uses advised against
1.3.	Details of the supplier of the safety data sheet
2.1.	Classification of the substance or mixture
2.2.	Label elements
2.3.	Other hazards
3.2.	Mixtures

4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
4.3.	Indication of any immediate medical attention and special treatment needed
5.1.	Extinguishing media
5.2.	Special hazards arising from the substance or mixture
5.3.	Advice for firefighters
6.1.	Personal precautions, protective equipment and emergency procedures
6.2.	Environmental precautions
6.3.	Methods and material for containment and cleaning up
6.4.	Reference to other sections
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
7.3.	Specific end use(s)
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
9.2.	Other information
10.1.	Reactivity
10.2.	Chemical stability
10.4.	Conditions to avoid
10.5.	Incompatible materials
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
11.2.	Information on other hazards
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.4.	Mobility in soil
12.7.	Other adverse effects
13.1.	Waste treatment methods
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

*
16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental 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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EG	European Community
EN	European Standard
ES	Exposure scenario
EU	European Union
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation

KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PC	Product category
PNEC	Predicted No Effect Concentration
QSAR	Quantitative Structure-Activity Relationship
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
Tox.	Toxicity
TRGS	Technische Regeln für Gefahrstoffe
UFI	Unique Formula Identifier
UN	United Nations
VOC	Volatile organic compounds
ZNS	central nervous system

16.3. Key literature references and sources for data
No data available

*
16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

*
16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.