

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 21.12.2022

Version number 2 (replaces version 1)

Revision: 21.12.2022

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

#### 1.1 Product identifier

- Trade name: **Wax Stripper**
- Article number: 10816, 10817, 10818, 11536
- UFI: DXV8-T5RJ-0016-KC0N

#### 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

Cleaning agent/ Cleaner

#### 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg
- Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

#### Further information obtainable from:

Laboratory

#### 1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.  
Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

#### 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.



GHS08

#### Signal word

Danger

#### Hazard-determining components of labelling:

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics  
Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics  
Hydrocarbons, C11-C14 isoalkanes, cycloalkanes, <2% aromatics  
H304 May be fatal if swallowed and enters airways.  
H413 May cause long lasting harmful effects to aquatic life.

#### Hazard statements

#### 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 mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / eye protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.
- **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: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

EC number: 918-167-1 Reg.nr.: 01-2119472146-39-xxxx	Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413 EUH066	50-100%
EC number: 920-901-0 Reg.nr.: 01-2119456810-40-xxxx	Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics Asp. Tox. 1, H304 EUH066	12.5-25%
EC number: 927-285-2 Reg.nr.: 01-2119480162-45	Hydrocarbons, C11-C14 isoalkanes, cycloalkanes, <2% aromatics Asp. Tox. 1, H304 EUH066	12.5-25%
CAS: 68439-50-9	Alcohols, C12-14, ethoxylated Aquatic Acute 1, H400 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	<10%

- Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons

≥30%

- 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**

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

- **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.

- **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **5.3 Advice for firefighters**

- Protective equipment: Wear self-contained respiratory protective device.

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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**

Not required.

· **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **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**

Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and explosion protection:

No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**· Storage:· Requirements to be met by storerooms and receptacles:

No special requirements.

· Information about storage in one common storage facility:

Not required.

· Further information about storage conditions:

Keep container tightly sealed.

· Storage class:

10

· **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.

· 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:

Do not eat, drink, smoke or sniff while working.  
Use skin protection cream for skin protection.  
Clean skin thoroughly immediately after handling the product.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

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- Respiratory protection:
- Hand protection

Not required.

Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics.

Skin protection agent recommendation for preventive skin shelter without use of protective gloves:

STOKODERM (<http://www.stoko.com>)

Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:

STOKO EMULSION (<http://www.stoko.com>)

Skin protection recommendation for skin cleaning after product handling:

FRAPANTOL (<http://www.stoko.com>)

Skin protection agent recommendation for skin aftercare:

STOKO VITAN (<http://www.stoko.com>)

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).

**Protective gloves**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- Material of gloves

Butyl rubber, BR

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

Value for the permeation: Level  $\leq 6$ , 480 min

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Butoject (KCL, Art\_No. 897, 898)

- As protection from splashes gloves made of the following materials are suitable:

Fluorocarbon rubber (Viton)

Vitoject (KCL, Art\_No. 890)

Nitrile rubber, NBR

Camatril (KCL, 730, 731, 732, 733)

Natural rubber, NR

Combi-Latex (KCL, Art\_No. 395)

Neoprene gloves

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· Not suitable are gloves made of the following materials:

Nitopren (KCL, Art\_No. 717)

· Eye/face protection

Leather gloves  
Strong material gloves



Tightly sealed goggles

· Body protection:

Protective work clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**General Information

· <u>Colour:</u>	Clear
· <u>Odour:</u>	Mild
· <u>Melting point/freezing point:</u>	Undetermined.
· <u>Boiling point or initial boiling point and boiling range</u>	>182 °C
· <u>Lower and upper explosion limit</u>	
· <u>Lower:</u>	0.9 Vol %
· <u>Upper:</u>	8 Vol %
· <u>Flash point:</u>	63 °C
· <u>Ignition temperature:</u>	370 °C
· <u>pH</u>	Not determined.
· <u>Viscosity:</u>	
· <u>Kinematic viscosity at 20 °C</u>	1.9 mm <sup>2</sup> /s
· <u>Dynamic:</u>	Not determined.
· <u>Solubility</u>	
· <u>water:</u>	Not miscible or difficult to mix.
· <u>Vapour pressure at 20 °C:</u>	0.1 hPa
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	0.76 g/cm <sup>3</sup>

**9.2 Other information**

· <u>Appearance:</u>	
· <u>Form:</u>	Fluid
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Auto-ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product does not present an explosion hazard.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	94.9 %

Information with regard to physical hazard classes

· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Void
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Void
· <u>Flammable solids</u>	Void
· <u>Self-reactive substances and mixtures</u>	Void
· <u>Pyrophoric liquids</u>	Void
· <u>Pyrophoric solids</u>	Void

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

**SECTION 10: Stability and reactivity**

- |  |  |
|--|--|
| · <b>10.1 Reactivity</b>                                   | No further relevant information available.                                   |
| · <b>10.2 Chemical stability</b>                           |  |
| · <u>Thermal decomposition / conditions to be avoided:</u> | No decomposition if used according to specifications.                        |
| · <b>10.3 Possibility of hazardous reactions</b>           | Reacts with strong acids and alkali.<br>Reacts with strong oxidising agents. |
| · <b>10.4 Conditions to avoid</b>                          | No further relevant information available.                                   |
| · <b>10.5 Incompatible materials:</b>                      | No further relevant information available.                                   |
| · <b>10.6 Hazardous decomposition products:</b>            | Carbon monoxide and carbon dioxide   |

**SECTION 11: Toxicological information**

- |  |   |
|--|---|
| · <b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008</b> |   |
| · <u>Acute toxicity</u>  | Based on available data, the classification criteria are not met. |

· LD/LC50 values relevant for classification:

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)

**Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

**Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4h	2.5 mg/m <sup>3</sup> (rat)
	LC50/8h	>5,000 ppm (rat)
	NOAEC	1,000 mg/l (rat)

**Hydrocarbons, C11-C14 isoalkanes, cycloalkanes, <2% aromatics**

Oral	LD50	>5,000 mg/kg (rat)
	NOAEL-Werte	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	NOAEL	>10,400 mg/m <sup>3</sup> (rat)

**68439-50-9 Alcohols, C12-14, ethoxylated**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)

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· <u>Skin corrosion/irritation</u>	Based on available data, the classification criteria are not met.
· <u>Serious eye damage/irritation</u>	Based on available data, the classification criteria are not met.
· <u>Respiratory or skin sensitisation</u>	Based on available data, the classification criteria are not met.
· <u>Germ cell mutagenicity</u>	Based on available data, the classification criteria are not met.
· <u>Carcinogenicity</u>	Based on available data, the classification criteria are not met.
· <u>Reproductive toxicity</u>	Based on available data, the classification criteria are not met.
· <u>STOT-single exposure</u>	Based on available data, the classification criteria are not met.
· <u>STOT-repeated exposure</u>	Based on available data, the classification criteria are not met.
· <u>Aspiration hazard</u>	May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**· Endocrine disrupting properties

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity**· Aquatic toxicity:

EL0/48h	1,000 mg/l (daphnia magna)
EL0/72h	1,000 mg/l (Pseudokirchneriella subcapitata)
LL0/96h	1,000 mg/l (Oncorhynchus mykiss)
NOELR/72h	1,000 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.011 mg/l (daphnia magna)
NOELR/21d	1 mg/l (daphnia magna)
NOELR/28d	0.103 mg/l (piscis)

**Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics**

EL0/48h	1,000 mg/l (daphnia magna)
EL0/72h	1,000 mg/l (Pseudokirchneriella subcapitata)
LL0/96h	1,000 mg/l (Oncorhynchus mykiss)
NOELR/72h	1,000 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.011 mg/l (daphnia magna)
NOELR/21d	1 mg/l (daphnia magna)

**Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics**

EC50/48h	>1,000 mg/l (daphnia magna)
ErC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
EL0/48h	1,000 mg/l (daphnia magna)
LL0/96h	1,000 mg/l (Oncorhynchus mykiss)
NOELR/72h	1,000 mg/l (Pseudokirchneriella subcapitata)
NOELR/21d	1 mg/l (daphnia magna)
EC50/72h	>1,000 mg/l (green alge)
LC50/96h	>1,000 mg/l (Oncorhynchus mykiss)

**Hydrocarbons, C11-C14 isoalkanes, cycloalkanes, <2% aromatics**

EL50/48h	>1,000 mg/l (daphnia magna)
EL50/72h	>1,000 mg/l (green alge)
LL50/96h	>1,000 mg/l (piscis)
NOELR/21d	1 mg/l (daphnia magna)
NOELR/28d	0.103 mg/l (piscis)

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**68439-50-9 Alcohols, C12-14, ethoxylated**

EC50/48h	>0.1-<1 mg/l (daphnia magna)
NOEC	>0.1-<1 mg/kg (green alge)
LC50/96h	>1-<10 mg/l (Brachydanio rerio)

- **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**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- Additional ecological information:

- General notes:

Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**

- Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
----------	---

20 01 00	separately collected fractions (except 15 01)
----------	---

20 01 13*	solvents
-----------	----------

- Uncleaned packaging:

- Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**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.

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· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· Transport/Additional information:

Not dangerous according to the above specifications.

· UN "Model Regulation":

Void

### SECTION 15: Regulatory information

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

· Directive 2012/18/EU· Named dangerous substances - ANNEX I

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:· Waterhazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

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

None of the ingredients is listed.

· VOC EU

720.9 g/l

· **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.

· Department issuing SDS:

Laboratory

· Contact:

Elke Hake

Fon ++49 (0)911 64296-59

@mail E.Hake@akemi.de

· Date of previous version:

21.12.2022

· Version number of previous version:

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· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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ICAO: International Civil Aviation Organisation  
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)  
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  
Flam. Liq. 3: Flammable liquids – Category 3  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

EU