

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 9 (replaces version 8)

Revision: 25.06.2024

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

1.1 Product identifier

Trade name: **Cavity Wax**

Article number: 87457

UFI: 7M19-D1VP-S487-W7E9

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

Anticorrosion additive

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

Flam. Liq. 3 H226 Flammable liquid and vapour.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.

Storage: Store in a well-ventilated place. Keep cool.

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.



GHS02 GHS07

Signal word

Warning

Hazard-determining components of labelling:

Hazard statements

Naphta (petroleum), hydrotreated heavy
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
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.

Precautionary statements

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- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· Additional information:· **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: consisting of the following components.· Dangerous components:

CAS: 64742-48-9 EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066	25-50%
CAS: 68608-26-4 EINECS: 271-781-5 Reg.nr.: 01-2119527859-22	Sulfonic acids, petroleum, sodium salts Eye Irrit. 2, H319	<10%
EC number: 918-668-5 Index number: 649-356-00-4 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 EUH066	<10%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 3, H311; Acute Tox. 3, H331 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LC50/4 h inhalative: 3 mg/l	<1%

· 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 or oxygen; call for doctor.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Do not induce vomiting; call for medical help immediately.

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· **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:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:**

Water with full jet

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

In case of fire, the following can be released:

Carbon monoxide (CO)

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

· **5.3 Advice for firefighters**

· **Protective equipment:**

Mount respiratory protective device.

· **Additional information**

Cool endangered receptacles with water spray.

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**

Wear protective equipment. Keep unprotected persons away.

· **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).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **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.

Use only in well ventilated areas.

Prevent formation of aerosols.

· **Information about fire - and explosion protection:**

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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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:

Store away from foodstuffs.

VCI-Konzept für die Zusammenlagerung von Chemikalien beachten.

· Further information about storage conditions:

Protect from frost.

Keep container tightly sealed.

· Storage class:

3

· **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:**111-76-2 2-butoxyethanol**

IOELV	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 98 mg/m ³ , 20 ppm
	Skin

· DNELs**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral	DNEL (Langzeit-wiederholt)	125 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	208 mg/kg bw/day (ARB)
		125 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	871 mg/m ³ Air (ARB)
		185 mg/m ³ Air (BEV)

68608-26-4 Sulfonic acids, petroleum,sodium salts

Oral	DNEL (Langzeit-wiederholt)	0.833 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	3.33 mg/kg bw/day (ARB)
		1.667 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	0.66 mg/m ³ Air (ARB)
		0.33 mg/m ³ Air (BEV)

Hydrocarbons, C9, aromatics

Oral	DNEL (Langzeit-wiederholt)	11 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	25 mg/kg bw/day (ARB)
		11 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	150 mg/m ³ Air (ARB)
		32 mg/m ³ Air (BEV)

111-76-2 2-butoxyethanol

Oral	DNEL (Kurzzeit-akut)	13.4 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	6.3 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	89 mg/kg bw/day (ARB)
		26.7 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	10.3 mg/kg bw/day (ARB)
		38 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	1,091 mg/m ³ Air (ARB)

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	DNEL (Langzeit-wiederholt)	1.47-426 mg/m ³ Air (BEV) 98 mg/m ³ Air (ARB) 59 mg/m ³ Air (BEV)
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· PNECs

111-76-2 2-butoxyethanol

PNEC (wässrig)	463 mg/l (KA) 0.88 mg/l (MW) 8.8 mg/l (SW)
PNEC (fest)	2.8 mg/kg Trockengew (BO) 3.46 mg/kg Trockengew (MWS) 8.14 mg/kg Trockengew (SWS)

· Additional information:

The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- Appropriate engineering controls No further data; see section 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.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.

· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.
 Filter AX

· Hand protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 Preventive skin protection by use of skin-protecting agents is recommended.
 After use of gloves apply skin-cleaning agents and skin cosmetics.
 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>).
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 Fluorocarbon rubber (Viton)
 Nitrile rubber, NBR
 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.

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- Penetration time of glove material Value for the permeation: Level $\leq$ 480 min
The exact break through 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:
 - Nitrile rubber, NBR
 - Camatril (KCL, Art_No. 730, 731, 732, 733)
 - Fluorocarbon rubber (Viton)
 - Vitoject (KCL, Art_No. 890)
 - Butyl rubber, BR
- As protection from splashes gloves made of the following materials are suitable:
 - Nitrile rubber, NBR
 - Camatril (KCL, 730, 731, 732, 733)
 - Neoprene gloves
 - Butoject (KCL, Art_No. 897, 898)
 - Butyl rubber, BR
- Not suitable are gloves made of the following materials:
 - Leather gloves
 - Strong material gloves
- Eye/face protection



Tightly sealed goggles
- Body protection: Use protective suit.

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

- General Information
- Colour: Brown
- Odour: Specific type
- Odour threshold: Not determined.
- Melting point/freezing point: Undetermined.
- Boiling point or initial boiling point and boiling range 100 °C
- Flammability Not applicable.
- Lower and upper explosion limit
- Lower: 0.6 Vol %
- Upper: 7.5 Vol %
- Flash point: 46 °C
- Decomposition temperature: Not determined.
- pH Not determined.
- Viscosity: Not applicable
- Kinematic viscosity at 40 °C 21 mm²/s
- Dynamic: Not determined.
- Solubility
- water: Not miscible or difficult to mix.
- Partition coefficient n-octanol/water (log value) Not determined.
- Vapour pressure at 20 °C: 1 hPa
- Density and/or relative density
- Density at 20 °C: 0.87 g/cm³
- Relative density Not determined.
- Vapour density Not determined.

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9.2 Other information

- Appearance:
- Form: Fluid
- Important information on protection of health and environment, and on safety.
- Ignition temperature: Product is not selfigniting.
- Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- Solvent content:
- Organic solvents: 42.0 %
- Change in condition
- Evaporation rate Not determined.

· Information with regard to physical hazard classes

- Explosives Void
- Flammable gases Void
- Aerosols Void
- Oxidising gases Void
- Gases under pressure Void
- Flammable liquids Flammable liquid and vapour.
- Flammable solids Void
- Self-reactive substances and mixtures Void
- Pyrophoric liquids Void
- Pyrophoric solids Void
- Self-heating substances and mixtures Void
- Substances and mixtures, which emit flammable gases in contact with water Void
- Oxidising liquids Void
- Oxidising solids Void
- Organic peroxides Void
- Corrosive to metals Void
- Desensitised explosives Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **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**
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:**ATE (Acute Toxicity Estimates)**

Dermal	LD50	60,000 mg/kg (rabbit)
Inhalative	LC50/4 h	600 mg/l (ATE)

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64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	3,160 mg/kg (rabbit)
	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,000 mg/l (rat)
68608-26-4 Sulfonic acids, petroleum,sodium salts		
Oral	LD50	>6,000 mg/kg (rat)
Hydrocarbons, C9, aromatics		
Oral	LD50	3,595 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,160 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>6,193 mg/l (rat)
111-76-2 2-butoxyethanol		
Oral	LD50	1,200 mg/kg (ATE)
		1,414 mg/kg (guinea pig)
		435 mg/kg (rabbit)
		>2,000 mg/kg (rat)
Dermal	LD50	mg/kg (guinea pig)
Inhalative	LC50/4 h	3 mg/l (ATE)
		>12 mg/l (rat)

- | | |
|-------------------------------------|---|
| · Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| · Serious eye damage/irritation | Based on available data, the classification criteria are not met. |
| · Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| · Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| · Carcinogenicity | Based on available data, the classification criteria are not met. |
| · Reproductive toxicity | Based on available data, the classification criteria are not met. |
| · STOT-single exposure | May cause drowsiness or dizziness. |
| · STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| · Aspiration hazard | Based on available data, the classification criteria are not met. |

11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

- Aquatic toxicity:

64742-48-9 Naphtha (petroleum), hydrotreated heavy	
EL0/48h	1,000 mg/l (daphnia magna)
EL50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	>1,000 mg/l (Oncorhynchus mykiss)
NOELR/72h	100 mg/l (Pseudokirchneriella subcapitata)
Hydrocarbons, C9, aromatics	
EC50/96h	9.2 mg/l (Oncorhynchus mykiss)
LC50	1-10 mg/l (daphnia magna)
ErC50/72h	0.42 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EL50/48h	3.2 mg/l (daphnia magna) (OECD 202)
EL50/72h	2.6-2.9 mg/l (Pseudokirchneriella subcapitata)

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LL50/96h	2.9 mg/l (senastrum capricornutum)
NOELR/72h	9.2 mg/l (Oncorhynchus mykiss) (OECD 203)
EC50/48h	1 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	7.4 mg/l (daphnia magna)
EC50/72h	0.29 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

111-76-2 2-butoxyethanol

EC50/24h	1,815 mg/l (daphnia magna)
LC50	297 mg/l (daphnia magna)
EC50/48h	1,550 mg/l (daphnia magna)
NOEC	286 mg/l (algae)
NOEC/21d	>100 mg/l (Brachydanio rerio)
	100 mg/l (daphnia magna)
EC50/72h	1,840 mg/l (Desmodesmus subspicatus)
LC50/96h	1,490 mg/l (Iepomis macrochirus)
	1,474 mg/l (Oncorhynchus mykiss)

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**Remark:**

Toxic for fish

Additional ecological information:**General notes:**

Also poisonous for fish and plankton in water bodies.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Toxic for aquatic organisms

Water hazard class 1 (German Regulation) (Self-assessment): slightly 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

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:**Recommendation:**

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

Disposal must be made according to official regulations.

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SECTION 14: Transport information**· 14.1 UN number or ID number****· ADR, IMDG, IATA**

UN1139

· 14.2 UN proper shipping name**· ADR****· IMDG, IATA**1139 COATING SOLUTION
COATING SOLUTION**· 14.3 Transport hazard class(es)****· ADR****· Class****· Label**

3 (F1) Flammable liquids.

3

· IMDG, IATA**· Class****· Label**

3 Flammable liquids.

3

· 14.4 Packing group**· ADR, IMDG, IATA**

III

· 14.5 Environmental hazards:**· Marine pollutant:**

Yes

· 14.6 Special precautions for user**· Hazard identification number (Kemler code):****· EMS Number:****· Stowage Category**

Warning: Flammable liquids.

30

F-E, S-E

A

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:**· ADR****· Limited quantities (LQ)****· Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· Transport category**· Tunnel restriction code**

3

D/E

· IMDG**· Limited quantities (LQ)****· Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1139 COATING SOLUTION, 3, III

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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.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- 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:

· Information about limitation of use: Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

None of the ingredients is listed.

· VOC EU 365.4 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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- Department issuing SDS: Laboratory
- Date of previous version: 22.12.2022
- Version number of previous version: 8

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Trade name: Cavity Wax**· Abbreviations and acronyms:**

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RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 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)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 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
 ATE: Acute toxicity estimate values
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

EU