

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

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

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### 1.1 Product identifier

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**Product name**

3015 Cavity Wax

**UFI:**

TVDX-ACQK-H00P-K091



<https://my.chemius.net/p/g0fYfK/en/pd/en>

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

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**Relevant identified uses**

No information.

**Uses advised against**

No information.

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

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**Supplier**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

### 1.4 Emergency Telephone Number

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**Emergency**

111

**Supplier**

112

## Section 2: Hazards identification

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### 2.1 Classification of the substance or mixture

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

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.

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

## 2.2 Label elements

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**Labelling according to Regulation (EC) No 1272/2008 (CLP)**



**Signal word: WARNING**

H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics  
hydrocarbons, C9, aromatic

## 2.3 Other hazards

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**PBT/vPvB**

No information.

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Additional information**

No information.

## Section 3: Composition/information on ingredients

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### 3.1 Substances

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For mixtures see 3.2.

### 3.2 Mixtures

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# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
<b>C9- C11, n- alkan es, isoalk anes, cyclic s, &lt;2% arom atics</b>	- 919-857-5 - 01-2119463258-33	40-50	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336	/
<b>Sulfo nic acids , petro leum, sodiu m salts</b>	68608-26-4 271-781-5 - 01-2119527859-22	5-10	Eye Irrit. 2; H319	/
<b>hydro carbo ns, C9, arom atic</b>	128601-23-0 918-668-5 - 01-2119455851-35	5-10	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066	/
<b>2- butox yetha nol</b>	111-76-2 203-905-0 603-014-00-0	0.1-1	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 3; H331	oral: ATE = 1200 mg/kg bw inhalation: ATE = 3 mg/l (vapours)

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

#### Following inhalation

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Remove patient to fresh air – move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

#### **Following skin contact**

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Consult a physician.

#### **Following eye contact**

Immediately flush eyes with running water, keeping eyelids apart. Seek medical help.

#### **Following ingestion**

Do not induce vomiting! Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

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#### **Following inhalation**

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. Vapours may cause drowsiness and dizziness.

#### **Following skin contact**

Contact with skin may cause irritation (redness, itching). Repeated exposure may cause dry skin or cracked skin.

#### **Following eye contact**

Contact with eyes can cause irritation (redness, tearing, pain).

#### **Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia.

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

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Treat symptomatically. After the product has been ingested vomiting can cause aspiration into the lungs. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided.

## **Section 5: Firefighting measures**

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### **5.1 Extinguishing media**

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#### **Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### **Unsuitable extinguishing media**

Full water jet.

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

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#### **Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

## 5.3 Advice for firefighters

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### Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

### Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

## Section 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

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#### For non-emergency personnel

##### Protective equipment

No information.

##### Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

##### Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

#### For emergency responders

Use personal protective equipment.

### 6.2 Environmental precautions

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Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

### 6.3 Methods and material for containment and cleaning up

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#### For containment

Stem the spill if this does not pose risks.

#### For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

#### Other information

No information.

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

## 6.4 Reference to other sections

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See also sections 8 and 13.

## Section 7: Handling and storage

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### 7.1 Precautions for safe handling

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#### Protective measures

##### Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

##### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

##### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

##### Other measures

No information.

##### Advice on general occupational hygiene

Use good personal hygiene practices - wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

### 7.2 Conditions for safe storage, including any incompatibilities

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#### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

#### Packaging materials

Store only in original container.

#### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

#### Storage temperature

No information.

#### Storage class

No information.

#### Further information on storage conditions

No information.

### 7.3 Specific end use(s)

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#### Recommendations

No information.

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

## Industrial sector specific solutions

No information.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>2-Butoxyethanol (111-76-2)</b>	123	25	246	50	Sk, BMGV	240 mmol butoxyacetic acid/mol creatinine in urine - Post shift

#### Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

Name	Type	Exposure route	exp. frequency	Remark	Value
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	Worker	inhalation	long term systemic effects	/	1500 mg/m <sup>3</sup>
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	Worker	dermal	long term systemic effects	/	300 mg/kg bw/day
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	Consumer	inhalation	long term systemic effects	/	900 mg/m <sup>3</sup>

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Name	Type	Exposure route	exp. frequency	Remark	Value
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	Consumer	dermal	long term systemic effects	/	300 mg/kg bw/day
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	Consumer	oral	long term systemic effects	/	300 mg/kg bw/day
<b>hydrocarbons, C9, aromatic</b>	Worker	inhalation	long term systemic effects	/	150 mg/m <sup>3</sup>
<b>hydrocarbons, C9, aromatic</b>	Worker	dermal	long term systemic effects	/	25 mg/kg bw/day
<b>hydrocarbons, C9, aromatic</b>	Consumer	inhalation	long term systemic effects	/	32 mg/m <sup>3</sup>
<b>hydrocarbons, C9, aromatic</b>	Consumer	dermal	long term systemic effects	/	11 mg/kg bw/day
<b>hydrocarbons, C9, aromatic</b>	Consumer	oral	long term systemic effects	/	11 mg/kg bw/day
<b>2-butoxyethanol</b>	Worker	inhalation	long term systemic effects	/	98 mg/m <sup>3</sup>
<b>2-butoxyethanol</b>	Worker	inhalation	short term systemic effects	/	1091 mg/m <sup>3</sup>
<b>2-butoxyethanol</b>	Worker	inhalation	short term local effects	/	246 mg/m <sup>3</sup>
<b>2-butoxyethanol</b>	Worker	dermal	long term systemic effects	/	125 mg/kg bw/day
<b>2-butoxyethanol</b>	Worker	dermal	short term systemic effects	/	89 mg/kg bw/day
<b>2-butoxyethanol</b>	Consumer	inhalation	long term systemic effects	/	59 mg/m <sup>3</sup>



# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Name	Type	Exposure route	exp. frequency	Remark	Value
<b>2-butoxyethanol</b>	Consumer	inhalation	short term systemic effects	/	426 mg/m <sup>3</sup>
<b>2-butoxyethanol</b>	Consumer	inhalation	short term local effects	/	147 mg/m <sup>3</sup>
<b>2-butoxyethanol</b>	Consumer	dermal	long term systemic effects	/	75 mg/kg bw/day
<b>2-butoxyethanol</b>	Consumer	dermal	short term systemic effects	/	89 mg/kg bw/day
<b>2-butoxyethanol</b>	Consumer	oral	long term systemic effects	/	6.3 mg/kg bw/day
<b>2-butoxyethanol</b>	Consumer	oral	short term systemic effects	/	26.7 mg/kg bw/day

## PNEC values

### For product

No information.

### For components

Name	Exposure route	Remark	Value
<b>2-butoxyethanol</b>	fresh water	/	8.8 mg/L
<b>2-butoxyethanol</b>	water, intermittent release	/	26.4 mg/L
<b>2-butoxyethanol</b>	marine water	/	0.88 mg/L
<b>2-butoxyethanol</b>	water treatment plant	/	463 mg/L
<b>2-butoxyethanol</b>	fresh water sediment	dry weight	34.6 mg/kg
<b>2-butoxyethanol</b>	marine water sediment	dry weight	3.46 mg/kg
<b>2-butoxyethanol</b>	soil	dry weight	2.33 mg/kg
<b>2-butoxyethanol</b>	secondary poisoning	food	0.02 g/kg

## 8.2 Exposure controls

### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

#### Structural measures to prevent exposure

No information.

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

## Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

## Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

## Personal protective equipment

### Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

### Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

## Appropriate materials

### Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2022). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

### Thermal hazards

No information.

## Environmental exposure controls

### Substance/mixture related measures to prevent exposure

No information.

### Instruction measures to prevent exposure

No information.

### Organisational measures to prevent exposure

No information.

### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	brown
Odour	characteristic

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

<b>Odour threshold</b>	No information.
<b>Melting/freezing point or softening point</b>	No information.
<b>Boiling point or initial boiling point and boiling range</b>	165 – 181 °C ((128601-23-0 Hydrocarbons,C9,aromatics))
<b>Flammability</b>	Highly flammable.
<b>Lower and upper explosion limit</b>	0.6 % v/v 7.5 % v/v
<b>Flash point</b>	38 °C
<b>Auto-ignition temperature</b>	270 °C ((128601-23-0 Hydrocarbons,C9,aromatics))
<b>Decomposition temperature</b>	No information.
<b>pH</b>	substance/mixture is non-soluble (in water) Does not apply
<b>Viscosity (dynamic)</b>	
<b>Viscosity (kinematic)</b>	35 (4 mm, DIN 53211) 21 mm <sup>2</sup> /s
<b>Solubility (Water)</b>	not miscible or difficult to mix
<b>Partition coefficient n-octanol/water (log value)</b>	No information.
<b>Vapour pressure</b>	2.7 hPa (hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclics, <2% aromatics)
<b>Density</b>	0.865 g/cm <sup>3</sup>
<b>Relative vapour/gas density</b>	No information.
<b>Particle characteristics</b>	No information.

## 9.2 Other information

### Information with regard to physical hazard classes

No information.

### Other safety characteristics

<b>Weight organic solvents</b>	44 %
<b>Solids content</b>	53 %

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Product is stable under normal conditions of use, recommended handling and storage conditions.

## 10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

## 10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

## 10.5 Incompatible materials

Oxidants.

## 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## Section 11: Toxicological information

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

#### (a) Acute toxicity

##### For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	oral	LD <sub>50</sub>	rat	/	> 5000 mg/kg	/	/
C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	dermal	LD <sub>50</sub>	rabbit	/	3160 mg/kg	/	/
C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	inhalation	LC <sub>50</sub>	rat	4 h	5000 mg/m <sup>3</sup>	/	/
hydrocarbons, C9, aromatic	dermal	LD <sub>50</sub>	rabbit	/	> 3160 mg/kg bw	OECD 402	/

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Name	Exposure route	Type	Species	Time	Value	Method	Remark
<b>hydrocarbons, C9, aromatic</b>	inhalation	LC <sub>50</sub>	rat	/	> 6193 mg/m <sup>3</sup>	OECD 403	/
<b>2-butoxyethanol</b>	oral	LD <sub>50</sub>	rat	/	560 mg/kg	/	/
<b>2-butoxyethanol</b>	dermal	LD <sub>50</sub>	rabbit	/	1800 mg/kg	/	/
<b>2-butoxyethanol</b>	oral	LD <sub>50</sub>	mouse	/	1200 mg/kg	/	/
<b>2-butoxyethanol</b>	inhalation	LC <sub>50</sub>	rat	4 h	2400 mg/l	/	dust/aerosol

## Additional information

The product is not classified as acutely toxic.

## (b) Skin corrosion/irritation

### For components

Name	Species	Time	result	Method	Remark
<b>Sulfonic acids, petroleum, sodium salts</b>	/	/	Irritating-category 2.	/	Literature

## Additional information

The product is not classified as irritating to skin and eyes.

## (c) Serious eye damage/irritation

### For components

Name	Exposure route	Species	Time	result	Method	Remark
<b>Sulfonic acids, petroleum, sodium salts</b>	/	/	/	Irritating-category 2.	/	Literature

## (d) Respiratory or skin sensitisation

No information.

## Additional information

The product is not classified as sensitising.

## (e) (Germ cell) mutagenicity

No information.

## (f) Carcinogenicity

No information.

## (g) Reproductive toxicity

No information.

## Summary of evaluation of the CMR properties

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

**(h) STOT-single exposure**

No information.

**Additional information**

May cause drowsiness or dizziness.

**(i) STOT-repeated exposure**

No information.

**Additional information**

Repeated exposure may cause skin dryness or cracking. STOT RE (repeated exposure): Not classified.

**(j) Aspiration hazard**

No information.

**Additional information**

May be fatal if swallowed and enters airways.

**Symptoms related to the physical, chemical and toxicological characteristics**

No information.

**Interactive effects**

No information.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Other information**

No information.

**Section 12: Ecological information**

**12.1 Toxicity**

**Acute (short-term) toxicity**

**For components**

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	EL <sub>0</sub>	1000 mg/L	48 h	crustacea	Daphnia magna	/	/

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	NOELR	100 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	EL <sub>50</sub>	> 1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
<b>C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	LL <sub>0</sub>	1000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
<b>hydrocarbons, C9, aromatic</b>	EL <sub>50</sub>	3.2 mg/L	48 h	crustacea	<i>Daphnia magna</i>	OECD 202	/
<b>hydrocarbons, C9, aromatic</b>	LL <sub>50</sub>	9.2 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	OECD 203	/
<b>hydrocarbons, C9, aromatic</b>	ErL <sub>50</sub>	2.9 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	OECD 201	/

## Chronic (long-term) toxicity

No information.

## 12.2 Persistence and degradability

### Abiotic degradation, physical- and photo-chemical elimination

No information.

### Biodegradation

#### For components

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **3015 Cavity Wax**

Creation date: **07.06.2024**, Revision: **02.12.2024**, Version: **3.1**

Name	Type	Rate	Time	Evaluation	Method	Remark
<b>Sulfonic acids, petroleum, sodium salts</b>	biodegradability	8 %	28 days	/	OECD 301	GLP, experimental value

## 12.3 Bioaccumulative potential

### Partition coefficient n-octanol/water (log value)

#### For components

Name	Value	Temperature °C	pH	Concentration	Method
<b>Sulfonic acids, petroleum, sodium salts</b>	22.12	25	/	/	Literature data

### Bioconcentration factor (BCF)

#### For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
<b>Sulfonic acids, petroleum, sodium salts</b>	BCF	/	70.79	/	/	/	QSAR

## 12.4 Mobility in soil

### Known or predicted distribution to environmental compartments

No information.

#### Surface tension

No information.

#### Adsorption/Desorption

##### For components

Name	Type	Criterion	Value	Evaluation	Method	Remark
<b>Sulfonic acids, petroleum, sodium salts</b>	Soil	/	831977330	/	/	Koc, literatura
<b>Sulfonic acids, petroleum, sodium salts</b>	Soil	log KOC	8.92	/	/	Calculated value



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## 12.5 Results of PBT and vPvB assessment

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No evaluation.

## 12.6 Endocrine disrupting properties

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The product does not contain substances with the potential for endocrine disorders.

## 12.7 Other adverse effects

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No information.

## 12.8 Additional information

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### For product

Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment. Do not allow to reach ground water, water courses or sewage system.

## Section 13: Disposal considerations

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### 13.1 Waste treatment methods

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#### Product / Packaging disposal

##### Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### Waste codes / waste designations according to LoW

No information.

##### Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

##### Waste codes / waste designations according to LoW

No information.

##### Waste treatment-relevant information

No information.

##### Sewage disposal-relevant information

No information.

##### Other disposal recommendations

No information.

## Section 14: Transport information

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ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
UN 1139	UN 1139	UN 1139	UN 1139
<b>14.2 UN proper shipping name</b>			
COATING SOLUTION	COATING SOLUTION	COATING SOLUTION	COATING SOLUTION
<b>14.3 Transport hazard class(es)</b>			
3	3	3	3
			
<b>14.4 Packing group</b>			
III	III	III	III
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			
Limited quantities 5 L Packing Instructions P001, IBC03, LP01, R001 Transport category 3 Tunnel restriction code (D/E) Classification code F1	Limited quantities 5 L EmS F-E, <u>S-E</u> Flash point 38 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L	Limited quantities 5 L
<b>14.7 Maritime transport in bulk according to IMO instruments</b>			

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ADR/RID	IMDG	IATA	ADN
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

## Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)(including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

#### Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

#### Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## Section 16: Other information

#### Indication of changes

9.1 Information on basic physical and chemical properties 9.2 Other information 14. Transport information

#### Key literature references and sources for data

No information.

#### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant

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CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW - see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure

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SCBA - Self-Contained Breathing Apparatus

SDS - Safety data sheet

SIEF - Substance Information Exchange Forum

SME - Small and Medium sized Enterprises

STOT - Specific Target Organ Toxicity

(STOT) RE - Repeated Exposure

(STOT) SE - Single Exposure

SVHC - Substances of Very High Concern

UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

## **List of relevant H phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.