

Safety data sheet

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

Printing date 03.09.2025

Version number 10 (replaces version 9)

Revision: 03.09.2025

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

1.1 Product identifier

- Trade name: **Wax Undercoating Spray**
- Article number: 90026
- UFI: 49D2-Y0TF-800D-0XHX

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

Coating
Paint

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

- Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- Skin Irrit. 2 H315 Causes skin irritation.
- STOT SE 3 H336 May cause drowsiness or dizziness.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- 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.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

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

Danger

Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane
Naphtha (petroleum), hydrotreated heavy
Hydrocarbons, C9, aromatics
reaction mass of ethylbenzole and xylene

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· <u>Hazard statements</u>	H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
	H315 Causes skin irritation.
	H336 May cause drowsiness or dizziness.
	H412 Harmful to aquatic life with long lasting effects.
· <u>Precautionary statements</u>	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.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211 Do not spray on an open flame or other ignition source.
	P251 Do not pierce or burn, even after use.
	P260 Do not breathe mist/vapours/spray.
	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.
	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· <u>Additional information:</u>	Buildup of explosive mixtures possible without sufficient ventilation.
· 2.3 Other hazards	
· <u>Results of PBT and vPvB assessment</u>	
· <u>PBT:</u>	Not applicable.
· <u>vPvB:</u>	Not applicable.
· <u>Determination of endocrine-disrupting properties</u>	For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**· Description: Mixture of substances listed below with nonhazardous additions.· Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane, pure Flam. Gas 1A, H220 Press. Gas (Comp.), H280	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	12.5-25%
CAS: 92128-66-0 EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	12.5-25%
CAS: 64742-48-9 EC number: 919-857-5 Index number: 649-327-00-6 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066	<12.5%

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CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8 Reg.nr.: 01-2119485395-27	isobutane (containing $\geq 0,1\%$ butadiene (203-450-8)) Flam. Gas 1A, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	1-5%
CAS: 128601-23-0 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	1-5%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32 01-2119486136-34	reaction mass of ethylbenzole and xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	1-5%
CAS: 68608-26-4 EINECS: 271-781-5 Reg.nr.: 01-2119527859-22	Sulfonic acids, petroleum, sodium salts Eye Irrit. 2, H319	1-5%
CAS: 68920-06-9 EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336 EUH066	1-5%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; 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**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
- 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: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Dizziness
Dizziness
Nausea

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- 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.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **6.2 Environmental precautions:** Wear protective equipment. Keep unprotected persons away.
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).
Ensure adequate ventilation.
Dispose contaminated material as waste according to section 13.
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**
- Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Open and handle receptacle with care.
- 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.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.

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- Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- Storage class: 2 B
· **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:

reaction mass of ethylbenzole and xylene

AGW	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm H
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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
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- DNELs

92128-66-0 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane

Oral	DNEL (Langzeit-wiederholt)	699 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	773 mg/kg bw/day (ARB) 699 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	2,035 mg/m ³ Air (ARB) 608 mg/m ³ Air (BEV)

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)

128601-23-0 Hydrocarbons, C9, aromatics

Oral	DNEL (Langzeit-wiederholt)	7.5 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	12.5 mg/kg bw/day (ARB) 7.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	151 mg/m ³ Air (ARB) 32 mg/m ³ Air (BEV)

reaction mass of ethylbenzole and xylene

Oral	DNEL (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	180 mg/kg bw/day (ARB) 108 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	289 mg/m ³ Air (ARB) 174 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	77-221 mg/m ³ Air (ARB) 14.8-174 mg/m ³ Air (BEV)

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

Oral	DNEL (Langzeit-wiederholt)	0.833 mg/kg bw/day (BEV)
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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)
68920-06-9 Naphtha (petroleum), hydrotreated light		
Oral	DNEL (Langzeit-wiederholt)	699 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	773 mg/kg bw/day (ARB) 699 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	2,035 mg/m ³ Air (ARB) 608 mg/m ³ Air (BEV)
111-76-2 2-butoxyethanol		
Oral	DNEL (Kurzzeit-akut)	13.4 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	6.3 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	89 mg/kg bw/day (ARB) 26.7 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	10.3 mg/kg bw/day (ARB) 38 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	1,091 mg/m ³ Air (ARB) 1.47-426 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	98 mg/m ³ Air (ARB) 59 mg/m ³ Air (BEV)

· **PNECs****reaction mass of ethylbenzole and xylene**

PNEC (wässrig)	1.6 mg/l (KA)
	0.004 mg/l (MW)
	0.044 mg/l (SW)
	0.01 mg/l (WAS)
PNEC (fest)	0.852 mg/kg Trockengew (BO)
	0.252 mg/kg Trockengew (MWS)
	2.52 mg/kg Trockengew (SWS)

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:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

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· Respiratory protection:

Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not inhale gases / fumes / aerosols.
 Use skin protection cream for skin protection.
 Clean skin thoroughly immediately after handling the product.
 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.
 Filter A/P2

· Hand protection

Protective gloves

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

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

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>).

· Material of gloves

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.

· Penetration time of glove material

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

Value for the permeation: Level \leq 4, 120 min

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

Fluorocarbon rubber (Viton)

Vitoject (KCL, Art_No. 890)

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

Nitrile rubber, NBR

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

· Not suitable are gloves made of the following materials:

Leather gloves

Strong material gloves

· Eye/face protection

Tightly sealed goggles

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· **Body protection:** Use protective suit.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**General Information

· <u>Colour:</u>	According to product specification
· <u>Odour:</u>	Specific type
· <u>Melting point/freezing point:</u>	Undetermined.
· <u>Boiling point or initial boiling point and boiling range</u>	-44.5 °C
· <u>Lower and upper explosion limit</u>	
· <u>Lower:</u>	0.6 Vol %
· <u>Upper:</u>	10.9 Vol %
· <u>Flash point:</u>	-97 °C
· <u>Auto-ignition temperature:</u>	365 °C
· <u>pH</u>	Not determined. Not applicable
· <u>Viscosity:</u>	
· <u>Kinematic viscosity</u>	Not determined. Not applicable
· <u>Dynamic:</u>	
Not determined. Not applicable	
· <u>Solubility</u>	
· <u>water:</u>	Not miscible or difficult to mix.
· <u>Vapour pressure at 20 °C:</u>	4,000 hPa
· <u>Vapour pressure at 50 °C:</u>	8,000 hPa
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	0.67 g/cm ³

9.2 Other information

· <u>Appearance:</u>	
· <u>Form:</u>	Aerosol
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	76.4 %
· <u>Solids content:</u>	15.4 %

Information with regard to physical hazard classes

· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <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
· <u>Self-heating substances and mixtures</u>	Void
· <u>Substances and mixtures, which emit flammable gases in contact with water</u>	Void

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· 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** No dangerous reactions known.
- **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)

Inhalative	LC50/4 h	209 mg/l (rat)
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106-97-8 butane, pure

Inhalative	LC50/4 h	658 mg/l (rat)
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74-98-6 propane

Inhalative	LC50/4 h	>20 mg/l (rat)
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92128-66-0 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane

Oral	LD50	>5,840 mg/kg (rat)
Dermal	LD50	>2,920 mg/kg (rabbit)
	LD50	>3,160 mg/kg (rabbit) (IUCLID)
Inhalative		>2,920 mg/kg (rat)
	LC50/4 h	>25.2 mg/l (rat) (IUCLID)

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)

128601-23-0 Hydrocarbons, C9, aromatics

Oral	LD50	3,495 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,160 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>6,193 mg/l (rat)

reaction mass of ethylbenzole and xylene

Oral	LD50	3,523 mg/kg (rat)
	NOAEL-Werte	250 mg/kg (rat)

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Dermal	LD50	12,126 mg/kg (rabbit)
Inhalative	LC50/4h	29,000 mg/m ³ (rat)
	LC50/4 h	11 mg/l (rat)
68608-26-4 Sulfonic acids, petroleum, sodium salts		
Oral	LD50	>6,000 mg/kg (rat)
68920-06-9 Naphtha (petroleum), hydrotreated light		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,800 mg/kg (rabbit)
	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>23.3 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)

- Primary irritant effect:
- Skin corrosion/irritation Causes skin irritation.
- 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 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:

92128-66-0 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane

EC50/48h	3 mg/l (daphnia magna)
EL50/48h	3 mg/l (daphnia magna)
EL50/72h	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	11.4 mg/l (Oncorhynchus mykiss)
NOELR/72h	3 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.17 mg/l (daphnia magna)
LC50/96h	2.6 mg/l (piscis) (IUCLID)
LC50/72h	15.8 mg/l (Oncorhynchus mykiss)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

EL0/48h	1,000 mg/l (daphnia magna)
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EL50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	>1,000 mg/l (Oncorhynchus mykiss)
NOELR/72h	100 mg/l (Pseudokirchneriella subcapitata)

128601-23-0 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) 2.9 mg/l (selenastrum capricornutum)
LL50/96h	9.2 mg/l (Oncorhynchus mykiss) (OECD 203)
LL0/96h	9.2 mg/l (Oncorhynchus mykiss)
NOELR/72h	1 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	7.4 mg/l (daphnia magna)
EC50/72h	0.29 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

reaction mass of ethylbenzole and xylene

LC50/24h	1 mg/l (daphnia magna) (OECD 202)
EC50/48h	3.2-9.5 mg/l (daphnia magna) (US EPA)
ErC50/72h	4.9 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC	16 mg/l (BES) 1.3 mg/l (Oncorhynchus mykiss)
NOELR/72h	0.44 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	1.57 mg/l (daphnia magna) (OECD 211)
NOELR/28d	16 mg/l (bacteria)
EC50/72h	1-10 mg/l (algae) 4.7 mg/l (selenastrum capricornutum) (OECD 201)
LC50/96h	1-10 mg/l (fish) 86 mg/l (Leuciscus idus) 2.6 mg/l (Oncorhynchus mykiss) (OECD 203) 8.9-16.4 mg/l (pimephales promelas)

68920-06-9 Naphtha (petroleum), hydrotreated light

EC50/48h	3 mg/l (daphnia magna)
EL50/72h	10-30 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	>13.4 mg/l (Oncorhynchus mykiss)
NOELR/72h	10 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.17 mg/l (daphnia magna)
LC50/96h	<10 mg/l (daphnia magna)

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)

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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:** Toxic for aquatic organisms
Do not allow product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
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**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	off-specification batches and unused products
16 03 05*	organic wastes containing hazardous substances
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 02 00	wastes from MFSU of other coatings (including ceramic materials)
08 02 99	wastes not otherwise specified

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
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, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

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· 14.3 Transport hazard class(es)· ADR

· Class 2.5F Gases.
 · Label 2.1

· IMDG, IATA

· Class 2.1 Gases.
 · Label 2.1

· 14.4 Packing group· ADR, IMDG, IATA Void**· 14.5 Environmental hazards:**· Marine pollutant: Yes**· 14.6 Special precautions for user**

· Hazard identification number (Kemler code): -
 · EMS Number: F-D,S-U
 · Stowage Code SW1 Protected from sources of heat.
 SW22 For AEROSOLS with a maximum capacity of 1 litre:
 Category A. For AEROSOLS with a capacity above 1 litre:
 Category B. For WASTE AEROSOLS: Category C, Clear of
 living quarters.
 · Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:
 Segregation as for class 9. Stow "separated from" class 1
 except for division 1.4.
 For AEROSOLS with a capacity above 1 litre:
 Segregation as for the appropriate subdivision of class 2.
 For WASTE AEROSOLS:
 Segregation as for the appropriate subdivision of class 2.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR
 · Limited quantities (LQ) 1L
 · Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity
 · Transport category 2
 · Tunnel restriction code D

· IMDG

· Limited quantities (LQ) 1L
 · Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity

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· UN "Model Regulation": UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Labelling according to Regulation (EC) No 1272/2008 GHS label elements
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 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:· 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 543.8 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: 21.11.2024

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· Version number of previousversion:

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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)
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organisation
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 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. Gas 1A: Flammable gases – Category 1A
 Aerosol 1: Aerosols – Category 1
 Press. Gas (Comp.): Gases under pressure – Compressed gas
 Flam. Liq. 1: Flammable liquids – Category 1
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 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
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 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

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