

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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

1.1 Product identifier

Trade name: AUTOL DESOLITE DW

UFI: QC80-80S3-C00V-0QP5

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

General use: System cleaner for vehicle fuel units (diesel engines)

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg

Germany

E-mail: info.wuerzburg@enilive.com

Telephone: +49 (0)931-90098-0

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Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

E-mail: technik.wuerzburg@enilive.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

STOT SE 3; H336 May cause drowsiness or dizziness.

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

(EUH066) Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger



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Hazard statements:	H304	May be fatal if swallowed and enters airways.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.
	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
	P331	Do NOT induce vomiting.
	P391	Collect spillage.
	P405	Store locked up.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling:

Contains:

Hydrocarbons, C10, aromatics, <1% naphthalene

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

2-ethylhexyl nitrate

Hydrocarbons, C10, aromatics, >1% naphthalene

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Avoid spills and leaks. Very small amounts contaminates drinking water.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable



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3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119463583-34-xxxx list no. 918-811-1 CAS 64742-94-5	Hydrocarbons, C10, aromatics, <1% naphthalene STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066).	80 - 90 %
REACH 01-2119458869-15-xxxx list no. 925-653-7 CAS 64742-81-0	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Asp. Tox. 1; H304. Aquatic Chronic 3; H412. (EUH066).	< 5 %
REACH 01-2119539586-27-xxxx EC No. 248-363-6 CAS 27247-96-7	2-ethylhexyl nitrate Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Aquatic Chronic 2; H411. (EUH044). (EUH066).	< 3 %
REACH 01-2119510128-50-xxxx EC No. 265-198-5 CAS 64742-94-5	Hydrocarbons, C10, aromatics, >1% naphthalene Carc. 2; H351. STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066). Specific concentration limits (SCL): H351: C ≥ 7,6 %	< 3 %
list no. 639-949-6 CAS 9040-65-7	Formaldehyde, polymer with nonylphenol Skin Irrit. 2; H315. Eye Irrit. 2; H319.	< 1 %
REACH 01-2119561346-37-xxxx EC No. 202-049-5 CAS 91-20-3	Naphthalene Flam. Sol. 2; H228. Acute Tox. 4; H302. Carc. 2; H351. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 1. Aquatic Chronic 1: M = 1.	< 0,5 %

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	First aider: Pay attention to self-protection! Never give an unconscious person anything through the mouth.
In case of inhalation:	Move victim to fresh air; if necessary, provide artificial respiration or oxygen. If unconscious place in recovery position and seek medical advice.
Following skin contact:	Wash with generous amount of water and soap. Take off contaminated clothing and wash it before reuse. Seek medical attention if irritation persists.
After eye contact:	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Do not induce vomiting. Danger of aspiration! Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

~~May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.~~



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4.3 Indication of any immediate medical attention and special treatment needed

Due to risk of aspiration gastric lavage may only be applied under endotracheal intubation. Subsequent observance for pneumonia and lung oedema.

It can take hours before symptoms of poisoning show up following exposure.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, foam, extinguishing powder

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Combustible.

May form dangerous gases and vapours in case of fire. Vapours form explosive mixtures with air. The vapours of the product are heavier than air. Beware of reignition.

Furthermore, there may develop: nitrogen oxides (NO_x), Carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Cool endangered containers with water jetspray. Do not allow fire water to penetrate into surface or ground water. If necessary notify appropriate authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing mist/vapours/spray.

Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment.

Keep unprotected people away. If possible, eliminate leakage.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Larger quantities to be stemmed and pumped into tanks.

Stop leak if safe to do so.

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

Take action to prevent static discharges.

Additional information:

Special danger of slipping by leaking/spilling product.



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6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide good ventilation and/or an exhaust system in the work area. Avoid generation of vapours/aerosols. Avoid breathing mist/vapours/spray.
Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment.
When using do not eat, drink or smoke. Wash hands before breaks and after work.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.
Take action to prevent static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store only in original container. Store container tightly closed in a dry and cool place.
Provide good ventilation.
Protect from heat and direct sunlight.
Suitable material: refined steel
Unsuitable material: rubber

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Do not store together with: Strong oxidizing agents

Storage class:

10 = Combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-94-5	Hydrocarbons, C10, aromatics, <1% naphthalene	Germany: TRGS 900 Kurzzeit	100 mg/m ³ (hydrocarbons, aromatic, C9-C14)
		Germany: TRGS 900 Langzeit	50 mg/m ³ (hydrocarbons, aromatic, C9-C14)
64742-81-0	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Germany: TRGS 900 Kurzzeit	100 mg/m ³ (hydrocarbons, aromatic, C9-C14)
		Germany: TRGS 900 Langzeit	50 mg/m ³ (hydrocarbons, aromatic, C9-C14)
64742-94-5	Hydrocarbons, C10, aromatics, >1% naphthalene	Germany: TRGS 900 Kurzzeit	100 mg/m ³ (hydrocarbons, aromatic, C9-C14)
		Germany: TRGS 900 Langzeit	50 mg/m ³ (hydrocarbons, aromatic, C9-C14)
104-76-7	2-Ethylhexan-1-ol	Europe: IOELV: TWA	5,4 mg/m ³ ; 1 ppm
91-20-3	Naphthalene	Germany: TRGS 900 Langzeit	5,4 mg/m ³ ; 1 ppm (Aerosol and vapour)
		Europe: IOELV: TWA	50 mg/m ³ ; 10 ppm
		Germany: TRGS 900 Kurzzeit	8 mg/m ³ ; 1,6 ppm (Aerosol and vapour, may be absorbed through the skin)
64742-47-8	Distillates (petroleum), hydrotreated light	Germany: TRGS 900 Langzeit	2 mg/m ³ ; 0,4 ppm (Aerosol and vapour, may be absorbed through the skin)
		Germany: DFG Kurzzeit	20 mg/m ³ (Aerosol, respirable fraction)
		Germany: DFG Langzeit	5 mg/m ³ (Aerosol, respirable fraction)
		Germany: TRGS 900 Kurzzeit	600 mg/m ³ (hydrocarbons, aliphatic, C9-C14)
		Germany: TRGS 900 Langzeit	300 mg/m ³ (hydrocarbons, aliphatic, C9-C14)



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CAS No.	Designation	Type	Limit value
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Germany: DFG Kurzzeit	20 mg/m ³ (Aerosol, respirable fraction)
		Germany: DFG Langzeit	5 mg/m ³ (Aerosol, respirable fraction)
		Germany: TRGS 900 Kurzzeit	600 mg/m ³ (hydrocarbons, aliphatic, C9-C14)
		Germany: TRGS 900 Langzeit	300 mg/m ³ (hydrocarbons, aliphatic, C9-C14)

DNEL/DMEL:

Information about Hydrocarbons, C10, aromatics, <1% naphthalene:
DNEL workers, long-term, dermal: 12,5 mg/kg bw/d
DNEL workers, long-term, inhalative: 151 mg/m³
DNEL consumers, long-term, dermal: 7,5 mg/kg bw/d
DNEL consumers, long-term, inhalative: 32 mg/m³
DNEL consumers, long-term, oral: 7,5 mg/kg bw/d

Information about Hydrocarbons, C10, aromatics, >1% naphthalene:
DNEL workers, long-term, dermal, systemic: 12,5 mg/kg bw/d
DNEL workers, long-term, inhalative, systemic: 151 mg/m³
DNEL consumers, long-term, dermal, systemic: 7,5 mg/kg bw/d
DNEL consumers, long-term, inhalative, systemic: 32 mg/m³
DNEL consumers, long-term, oral, systemic: 7,5 mg/kg bw/d

Information about 2-ethylhexyl nitrate:
DNEL workers, long-term, dermal, systemic: 1 mg/kg bw/d
DNEL workers, long-term, dermal, local: 0,044 mg/kg bw/d
DNEL workers, long-term, inhalative, systemic: 0,35 mg/m³
DNEL consumers, long-term, dermal, systemic: 0,52 mg/kg bw/d
DNEL consumers, long-term, inhalative, systemic: 0,087 mg/m³
DNEL consumers, long-term, oral, systemic: 0,025 mg/kg bw/d
DNEL consumers, long-term, dermal, local: 0,022 mg/kg bw/d

PNEC:

Information about 2-ethylhexyl nitrate:
PNEC water (freshwater): 0,8 µg/L
PNEC water (marine water): 0,08 µg/L
PNEC sediment: 0,00074 mg/kg dw
PNEC soil: 0,000191 mg/kg dw

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area. Avoid generation of vapours/aerosols.



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Personal protection equipment

Occupational exposure controls

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.
Recommendation: Use filter type A according to EN 14387.
In case of inadequate ventilation wear respiratory protection.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection: Solvent resistant protective gloves (EN 374).
Glove material: Nitrile rubber, polyvinyl chloride - Layer thickness: 0,5 mm.
Breakthrough time: >240 min.
The breakthrough times determined in accordance with EN 374 Part III were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.
- Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1:2022.
- Body protection: Use solvent-resistant protective clothing. (EN 13034).
- General protection and hygiene measures:
Avoid breathing mist/vapours/spray.
Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke. Wash hands before breaks and after work.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	Colourless, clear
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flammability:	not determined
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Flash point/flash point range:	63 °C
Decomposition temperature:	No data available
pH:	not applicable
Viscosity, kinematic:	at 40 °C: 1,6 mm ² /s
Solubility:	not determined
Water solubility:	at 15 °C: insoluble
Partition coefficient: n-octanol/water:	3,74 - 5,24 log P(o/w) (2-ethylhexyl nitrate) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 2,80 - 6,50 log P(o/w) (Hydrocarbons, C10, aromatics, >1% naphthalene) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.



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Vapour pressure: not determined
Density: at 15 °C: 0,8868 - 0,8919 g/mL
Vapour density: not determined
Particle characteristics: Not applicable

9.2 Other information

Explosive properties: Vapours can form explosive mixtures with air.
Oxidizing characteristics: Product has no oxidizing effect.
Auto-ignition temperature: not determined
Evaporation rate: not determined
Additional information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions with proper and specified storage and handling.

10.4 Conditions to avoid

Vapours can form explosive mixtures with air.
Protect from direct sunlight.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition when used properly.
Thermal decomposition: No data available



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SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): 2.000 mg/kg < ATE ≤ 5.000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): 2.000 mg/kg < ATE ≤ 5.000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (estimated): > 20 mg/L

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Based on available data, the classification criteria are not met.
Result: negative
Naphthalene: < 1%

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about Hydrocarbons, C10, aromatics, <1% naphthalene:

LD50 Rat, oral: > 5.000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2.000 mg/kg (OECD 402)

LC50 Rat, inhalative: > 4.688 mg/L/4 h (OECD 403 (vapors))

Information about Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

LD50 Rat, oral: > 5.060 mg/kg (OECD 401)

LD50 Rabbit, dermal: approx. 3.400 mg/kg (OECD 402)

LC50 Rat, inhalative: > 13,1 mg/L/4 h (OECD 403 (vapors))

Information about Hydrocarbons, C10, aromatics, >1% naphthalene:

LD50 Rat, oral: > 5.000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2.000 mg/kg (OECD 402)

LC50 Rat, inhalative: > 4.688 mg/L/4 h (OECD 403)

Information about 2-ethylhexyl nitrate:

LCLo Rat, inhalative (mist): > 4,6 mg/L/1 h



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Symptoms

eye irritations, irritation to respiratory tract, headache, dizziness, depression of central nervous system

In case of ingestion:

nausea, vomiting, pulmonary oedema, potential for chemical pneumonitis

After contact with skin: Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Information about Hydrocarbons, C10, aromatics, <1% naphthalene:

Fish toxicity:

LL50 *Oncorhynchus mykiss*: 2 - 5 mg/L/96 h (OECD 203)

Daphnia toxicity:

EL50 *Daphnia magna* (Big water flea): 3 - 10 mg/L/48 h (OECD 202)

Algae toxicity:

EC50 *Pseudokirchneriella subcapitata* (green algae): 1 - 3 mg/L/72 h (OECD 201)

Information about Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Fish toxicity:

LL50 *Oncorhynchus mykiss*: 2 - 5 mg/L/96 h (OECD 203)

Daphnia toxicity:

EL50 *Daphnia magna* (Big water flea): 1,4 mg/L/48 h (OECD 202)

Algae toxicity:

EL50 *Pseudokirchneriella subcapitata* (green algae): 1 - 3 mg/L/72 h (OECD 201)

Information about Hydrocarbons, C10, aromatics, >1% naphthalene:

Fish toxicity:

LC50 *Oncorhynchus mykiss*: 2 - 5 mg/L/96 h (OECD 203)

Daphnia toxicity:

EL50 *Daphnia magna* (Big water flea): 3 - 10 mg/L/48 h (OECD 202)

Algae toxicity:

EL50 *Pseudokirchneriella subcapitata* (green algae): 1 - 3 mg/L/72 h (OECD 201)

Information about 2-ethylhexyl nitrate:

Fish toxicity:

LC50 *Danio rerio* (zebrafish): 2 mg/L/96 h (OECD 203)

Daphnia toxicity:

EC50 *Daphnia magna* (Big water flea): > 12,6 mg/L/48 h (OECD 202)

Algae toxicity:

EC50 *Pseudokirchneriella subcapitata* (green algae): 3,22 mg/L/72 h (OECD 201)

Water Hazard Class:

3 = highly hazardous to water (Self-classification (mixture; calculation rule).)



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12.2 Persistence and degradability

Further details: Separation via oil separator.
Information about Hydrocarbons, C10, aromatics, <1% naphthalene:
Biodegradability: 49,6%/ 28 d. Inherently biodegradable (OECD 301F).
Water solubility: insoluble
Information about Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):
Biodegradability: 74,7%/ 28 d. Easily bio-degradable (OECD 301F).
Water solubility: insoluble
Information about Hydrocarbons, C10, aromatics, >1% naphthalene:
Biodegradability: 57,95%/ 28 d. Easily bio-degradable.
Information about 2-ethylhexyl nitrate:
Biodegradability: 0%/ 28 d. Not easily bio-degradable (OECD 310).
mobility in soil:
log Koc: 3,75 (OECD 121)
Water solubility: The product is slightly soluble in water.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
3,74 - 5,24 log P(o/w) (2-ethylhexyl nitrate)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
2,80 - 6,50 log P(o/w) (Hydrocarbons, C10, aromatics, >1% naphthalene)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Avoid spills and leaks. Very small amounts contaminates drinking water.
Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 14 06 03* = other solvents and solvent mixtures
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation. Do not allow to enter into ground-water, surface water or drains.

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Package

Recommendation: Empty containers may contain flammable product residues. Do not cut, weld, bore, burn or incinerate emptied containers unless they have been cleaned and declared safe. Empty containers should be disposed of in accordance with local regulations.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID, ADN, IMDG, IATA-DGR:

UN 3082

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Hydrocarbons, C10, aromatics, <1% naphthalene)**14.3 Transport hazard class(es)**

ADR/RID, ADN:

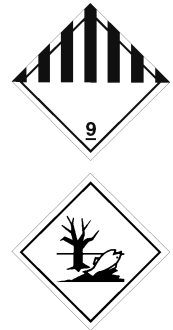
Class 9, Code: M6

IMDG:

Class 9, Subrisk -

IATA-DGR:

Class 9

**14.4 Packing group**

ADR/RID, ADN, IMDG, IATA-DGR:

III

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: yes

Marine pollutant - ADN: yes

14.6 Special precautions for user**Land transport (ADR/RID)**

Warning board:

ADR/RID: Kemmler-number 90, UN number UN 3082

Hazard label:

9

Special Provisions:

274 335 375 601

Limited quantities:

5 L

EQ:

E1

Package - Instructions:

P001 IBC03 LP01 R001

Package - Special Provisions:

PP1

Special provisions for packing together:

MP19

Portable tanks - Instructions:

T4

Portable tanks - Special Provisions:

TP1 TP29

Tank coding:

LGBV

Tunnel restriction code:

(-)



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Inland waterway craft (ADN)

Hazard label: 9
Special Provisions: 274 335 375 601
Limited quantities: 5 L
EQ: E1
Transport permitted: T
Equipment necessary: PP

Sea transport (IMDG)

EmS: F-A, S-F
Special Provisions: 274 335 969
Limited quantities: 5 L
Excepted quantities: E1
Package - Instructions: P001, LP01
Package - Provisions: PP1
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP2, TP29
Stowage and handling: Category A.
Properties and observations: -
Segregation group: none

Air transport (IATA)

Hazard label: Miscellaneous & Environmentally hazardous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions: A97 A158 A197 A215
Emergency Response Guide-Code (ERG): 9L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes
Water Hazard Class: 3 = highly hazardous to water (Self-classification (mixture; calculation rule).)
Major Accident Ordinance (12. BImSchV):
Environmental hazards: Number 1.3.2 = Code E2,
Quantity threshold 200 000 kg / 500 000 kg
Technical guidance air: 5.2.5
Information on working limitations:
Observe employment restrictions for young people.
Observe employment restrictions for expectant or nursing mothers.

Further regulations, limitations and legal requirements:

The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

National regulations - EC member states

Volatile organic compounds (VOC):

95,4 % by weight = 827,5 g/L

Labelling of packaging with <= 125mL content



Signal word:

Danger

Hazard statements:

H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to hazardous or special waste collection point.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: refer to Germany, 12. BImSchV

Use restriction according to REACH annex XVII, no.: 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H228 = Flammable solid.
H302 = Harmful if swallowed.
H304 = May be fatal if swallowed and enters airways.
H312 = Harmful in contact with skin.
H315 = Causes skin irritation.
H319 = Causes serious eye irritation.
H332 = Harmful if inhaled.
H336 = May cause drowsiness or dizziness.
H351 = Suspected of causing cancer.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
H411 = Toxic to aquatic life with long lasting effects.
H412 = Harmful to aquatic life with long lasting effects.
EUH044 = Risk of explosion if heated under confinement.
EUH066 = Repeated exposure may cause skin dryness or cracking.



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Reason of change: **Changes in section 3: Composition / Information on ingredients**

Date of first version: **21.9.2020**

Department issuing data sheet:

see section 1: Department responsible for information

Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
ATE: Acute toxicity estimate
Carc.: Carcinogenicity
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EL50: Effective loading rate 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Irrit.: Eye irritation
Flam. Sol.: Flammable solid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.: Skin irritation
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/xmgqudvp>

