SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878
AUTOL Desolite DW
Material number 1149

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

1.1 Product identifier
Trade name: AUTOL Desolite DW
UFI: 9V4N-993J-7304-HK90

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: Eni Schmiertechnik GmbH
Street/POB-No.: Paradiesstraße 14
Postal Code, city: 97080 Würzburg, Germany
WWW: www.enischmiertechnik.de
E-mail: info.wuerzburg@eni.com
Telephone: +49 (0)931-90098-0
Telefax: +49 (0)931-98442
Department responsible for information:
Abteilung Anwendungstechnik
Telephone: +49 (0)931-90098-0
E-mail: technik.wuerzburg@eni.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
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.

Results of PBT and vPvB assessment:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable
3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Designation</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACH 01-2119463583-34-xxxx</td>
<td>Hydrocarbons, C10, aromatics, &lt;1% naphthalene</td>
<td>80 - 90 %</td>
<td>STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066).</td>
</tr>
<tr>
<td>list no. 918-811-1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CAS 64742-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACH 01-2119458869-15-xxxx</td>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>&lt; 5 %</td>
<td>Asp. Tox. 1; H304. Aquatic Chronic 3; H412. (EUH066).</td>
</tr>
<tr>
<td>list no. 925-653-7</td>
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<tr>
<td>CAS 64742-81-0</td>
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<tr>
<td>EC No. 248-363-6</td>
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<tr>
<td>CAS 27247-96-7</td>
<td></td>
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</tr>
<tr>
<td>REACH 01-2119463588-24-xxxx</td>
<td>Hydrocarbons, C10, aromatics, &gt;1% naphthalene</td>
<td>&lt; 3 %</td>
<td>Carc. 2; H351. STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066).</td>
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<tr>
<td>list no. 919-284-0</td>
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<tr>
<td>CAS 64742-94-5</td>
<td></td>
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<tr>
<td>REACH 01-2119561346-37-xxxx</td>
<td>Naphthalene</td>
<td>&lt; 0.5 %</td>
<td>Acute Tox. 4; H302. Carc. 2; H351. Aquatic Acute 1; H400 (M-factor = 1). Aquatic Chronic 1; H410 (M-factor = 1).</td>
</tr>
<tr>
<td>EC No. 202-049-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS 91-20-3</td>
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</tr>
</tbody>
</table>

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.
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 (NOx), 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: Hazchem-Code: •3Z
- 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.
SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advises 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

7.3 Specific end use(s)

No information available.

6.4 Reference to other sections

Refer additionally to section 8 and 13.
### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation</th>
<th>Type</th>
<th>Limit value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-94-5</td>
<td>Hydrocarbons, C10, aromatics, &lt;1% naphthalene</td>
<td>Great Britain: WEL-TWA</td>
<td>500 mg/m³ (Aromatics)</td>
</tr>
<tr>
<td>64742-81-0</td>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>Great Britain: WEL-TWA</td>
<td>500 mg/m³ (Aromatics)</td>
</tr>
<tr>
<td>64742-94-5</td>
<td>Hydrocarbons, C10, aromatics, &gt;1% naphthalene</td>
<td>Great Britain: WEL-TWA</td>
<td>500 mg/m³ (Aromatics)</td>
</tr>
<tr>
<td>104-76-7</td>
<td>2-Ethylhexan-1-ol</td>
<td>Europe: IOELV: TWA</td>
<td>5.4 mg/m³; 1 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Great Britain: WEL-TWA</td>
<td>5.4 mg/m³; 1 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ireland: 8 hours</td>
<td>5.4 mg/m³; 1 ppm</td>
</tr>
<tr>
<td>91-20-3</td>
<td>Naphthalene</td>
<td>Europe: IOELV: TWA</td>
<td>50 mg/m³; 10 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ireland: 8 hours</td>
<td>50 mg/m³; 10 ppm</td>
</tr>
<tr>
<td></td>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</td>
<td>Great Britain: WEL-TWA</td>
<td>1200 mg/m³ (&gt; or = C7, Normal and branched chain alkanes)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>800 mg/m³ (&gt; or = C7, Cycloalkanes)</td>
</tr>
</tbody>
</table>

**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: 0.04 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.

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 EN 166.

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
Appearance: Physical state at 20 °C and 101.3 kPa: liquid
Colour: colourless
Colourless, clear
Odour: Characteristic
Odour threshold: Not determined
pH: not applicable
Melting point/freezing point: not determined
Initial boiling point and boiling range: not determined
Flash point/flash point range: not determined
Evaporation rate: 63 °C
Flammability: not determined
Explosion limits:
LEL (Lower Explosion Limit): not determined
UEL (Upper Explosive Limit): not determined

Vapour pressure: not determined
Vapour density: not determined
Density:
at 15 °C: 0.8868 - 0.8919 g/mL
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.

Auto-ignition temperature: not determined
Decomposition temperature: No data available
Viscosity, kinematic:
at 40 °C: 1.6 mm²/s

Explosive properties:
Vapours can form explosive mixtures with air.

Oxidizing characteristics:
Product has no oxidizing effect.

9.2 Other information
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
11.1 Information on 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): $2,000 \text{ mg/kg} < \text{ATE} \leq 5,000 \text{ mg/kg}$

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): $2,000 \text{ mg/kg} < \text{ATE} \leq 5,000 \text{ mg/kg}$

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

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.

Other information:

Information about Hydrocarbons, C10, aromatics, $<1\%$ naphthalene:
LD50 Rat, oral: $> 5,000 \text{ mg/kg} \ (OECD 401)$
LD50 Rabbit, dermal: $> 2,000 \text{ mg/kg} \ (OECD 402)$
LC50 Rat, inhalative: $> 4,688 \text{ mg/L/4 h} \ (OECD 403 \ (\text{vapors})$)

Information about Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25\%):
LD50 Rat, oral: $> 5,060 \text{ mg/kg} \ (OECD 401)$
LD50 Rabbit, dermal: approx. $3,400 \text{ mg/kg} \ (OECD 402)$
LC50 Rat, inhalative: $> 13.1 \text{ mg/L/4 h} \ (OECD 403 \ (\text{vapors})$)

Information about Hydrocarbons, C10, aromatics, $>1\%$ naphthalene:
LD50 Rat, oral: $> 5,000 \text{ mg/kg} \ (OECD 401)$
LD50 Rabbit, dermal: $> 2,000 \text{ mg/kg} \ (OECD 402)$
LC50 Rat, inhalative: $> 4,688 \text{ mg/L/4 h} \ (OECD 403)$

Information about 2-ethylhexyl nitrate:
LC50 Rat, inhalative (mist): $> 4.6 \text{ mg/L/1 h}$

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 Toxicty

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)

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
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 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.

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
ADR/RID, IMDG, IATA-DGR:
UN 3082

14.2 UN proper shipping name
ADR/RID, 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: Class 9, Code: M6
IMDG: Class 9, Subrisk -
IATA-DGR: Class 9

14.4 Packing group
ADR/RID, IMDG, IATA-DGR:
III

14.5 Environmental hazards
Marine pollutant: 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:
-

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
E1
Excepted Quantity Code:
Passenger and Cargo Aircraft: Ltd Qty:.
Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
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 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: 3Z

No data available

National regulations - EC member states

Volatile organic compounds (VOC):

95.4 % by weight = 827.5 g/L

Further regulations, limitations and legal requirements:

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

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further information

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

H302 = Harmful if swallowed.
H304 = May be fatal if swallowed and enters airways.
H312 = Harmful in contact with skin.
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.
Abbreviations and acronyms:

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
OEL: Occupational Exposure Limit Value
AS/NZS: Australian Standards/New Zealand Standards
ATE: Acute toxicity estimate
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC50: Effective Concentration 50%
EC: European Community
EL50: Effective loading rate 50%
EN: European Standard
EU: European Union
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
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
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
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

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Department issuing data sheet
Contact person: see section 1: Department responsible for information

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