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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Substance name</td>
<td>4-VINYL-1-CYCLOHEXENE</td>
</tr>
<tr>
<td>Product code</td>
<td>ENEV4520</td>
</tr>
<tr>
<td>Formula</td>
<td>C8H12</td>
</tr>
<tr>
<td>Synonyms</td>
<td>VCH</td>
</tr>
<tr>
<td></td>
<td>4-ETHENYLCYCLOHEXENE</td>
</tr>
<tr>
<td>Chemical family</td>
<td>HYDROCARBON</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

Use of the substance/mixture: Chemical intermediate

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GELEST, INC.
11 East Steel Road
Morrisville, PA 19067
USA
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

GELEST INC.
Fritz-Klatte-Strasse 8
65933 Frankfurt
Germany
T +49 (0) 69 3535106-500 - F +49 (0) 69 3535106-501 - (M-F): 8:00 AM - 4:00 PM
info@gelestde.com - www.gelestde.com

1.4. Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carcinogenicity, Category 2: H351

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

Signal word (CLP): Warning
Hazard statements (CLP): H351 - Suspected of causing cancer.
Precautionary statements (CLP): P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
4-VINYL-1-CYCLOHEXENE
Safety Data Sheet

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Substance type</th>
<th>Mono-constituent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>4-VINYL-1-CYCLOHEXENE</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>100-40-3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Vinyl-1-cyclohexene</td>
<td>(CAS-No.) 100-40-3 (EC-No.) 202-848-9 (EC Index-No.) 601-088-00-9</td>
<td>97 - 100</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>2,6-Di-tert-butyl-p-cresol</td>
<td>(CAS-No.) 128-37-0 (EC-No.) 204-881-4</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash with plenty of water/…. Get medical advice/attention.

First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion: Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: Suspected of causing cancer. Suspected of damaging fertility or the unborn child.
Symptoms/effects after inhalation: May be harmful if inhaled.
Symptoms/effects after skin contact: Causes skin irritation.
Symptoms/effects after eye contact: Causes eye irritation.
Symptoms/effects after ingestion: May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Highly flammable liquid and vapour. Irritating fumes and acid vapors may develop when material is exposed to elevated temperatures or open flame.

Explosion hazard: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapour and mist.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Eliminate every possible source of ignition. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

Protective equipment: Wear protective equipment as described in Section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Use only non-sparking tools.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable. Keep away from heat, open flames, sparks. No smoking.

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Avoid all eye and skin contact and do not breathe vapour and mist. Ground/bond container and receiving equipment. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment.
Storage conditions: Keep container tightly closed. Keep in a cool place. Store locked up. May freeze if stored <0°C.
Incompatible materials: Oxidizing agent.
Storage area: Store in a well-ventilated place. Store away from heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

4-Vinyl-1-cyclohexene (100-40-3)

<table>
<thead>
<tr>
<th>Country</th>
<th>Limit value (mg/m³)</th>
<th>Limit value (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>0.45 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Italy - Portugal - USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Spain</td>
<td>0.45 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Switzerland</td>
<td>0.4 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Denmark</td>
<td>0.4 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Ireland</td>
<td>0.4 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Portugal</td>
<td>10 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Poland</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Print date: 10/04/2019  EN (English)  SDS ID: ENEV4520
4-VINYL-1-CYCLOHEXENE
Safety Data Sheet

4-Vinyl-1-cyclohexene (100-40-3)
Portugal OEL chemical category (PT) A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

2,6-Di-tert-butyl-p cresol (128-37-0)
Austria MAK (mg/m³) 10 mg/m³
Belgium Limit value (mg/m³) 2 mg/m³ (aerosol and vapor)
Bulgaria OEL TWA (mg/m³) 10 mg/m³
Bulgaria OEL STEL (mg/m³) 50 mg/m³
France VME (mg/m³) 10 mg/m³
Germany TRGS 900 Occupational exposure limit value (mg/m³) 10 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece OEL TWA (mg/m³) 10 mg/m³
Italy - Portugal - USA ACGIH ACGIH TWA (mg/m³) 2 mg/m³ (inhalable fraction and vapor)
USA NIOSH NIOSH REL (TWA) (mg/m³) 10 mg/m³
Spain VLA-ED (mg/m³) 10 mg/m³
Switzerland KZGW (mg/m³) 40 mg/m³ (inhalable dust)
Switzerland MAK (mg/m³) 10 mg/m³ (inhalable dust)
United Kingdom WEL TWA (mg/m³) 10 mg/m³
United Kingdom WEL STEL (mg/m³) 30 mg/m³ (calculated)
Denmark Graænsevaerdi (langvarig) (mg/m³) 10 mg/m³
Finland HTP-arvo (8h) (mg/m³) 10 mg/m³
Finland HTP-arvo (15 min) 20 mg/m³
Ireland OEL (8 hours ref) (mg/m³) 10 mg/m³
Ireland OEL (15 min ref) (mg/m3) 30 mg/m³ (calculated)
Canada (Quebec) VECV (mg/m³) 10 mg/m³
Australia TWA (mg/m³) 10 mg/m³
Portugal OEL TWA (mg/m³) 2 mg/m³ (inhalable fraction, aerosol and vapor)
Portugal OEL chemical category (PT) A4 - Not Classifiable as a Human Carcinogen

8.2. Exposure controls
Appropriate engineering controls:
Provide local exhaust or general room ventilation.

Personal protective equipment:
Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:
Neoprene or nitrile rubber gloves

Eye protection:
Chemical goggles. Contact lenses should not be worn

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state : Liquid
Appearance : Clear liquid.
Molecular mass : 108.18 g/mol
Colour : No data available
Odour : Strong.
Odour threshold : No data available
Refractive index : 1.463
4-VINYL-1-CYCLOHEXENE
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pH: No data available
Relative evaporation rate (butylacetate=1): ~ 1
Melting point: -101 °C
Freezing point: No data available
Boiling point: 126 - 127 °C
Flash point: 16 °C
Auto-ignition temperature: 280 °C
Decomposition temperature: No data available
Flammability (solid, gas): Highly flammable liquid and vapour.
Vapour pressure: 26 mm Hg @ 38°C
Relative vapour density at 20 °C: > 1
Relative density: 0.832
% Volatiles: 100 %
Solubility: Very slightly soluble.
   Water: 0.05 g/l
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Exposure limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Heat. Sparks. Open flame.

10.5. Incompatible materials
Oxidizing agent.

10.6. Hazardous decomposition products
Organic acid vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

4-Vinyl-1-cyclohexene (100-40-3)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>2600 mg/kg 2563 mg/kg; RTECS Number: GW6650000</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>17000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>6095 ppm</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>27000 mg/m³</td>
</tr>
</tbody>
</table>

2,6-Di-tert-butyl-p-cresol (128-37-0)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>890 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>890 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
Skin Irritation - rabbit: 0.01 mL: moderate irritation effect

Serious eye damage/irritation: Not classified
Eye Irritation - rabbit: 0.005 mL: mild irritant effect

Respiratory or skin sensitisation: Not classified

Print date: 10/04/2019
SDS ID: ENEV4520
EN (English)
Germ cell mutagenicity: Not classified
Not mutagenic in Salmonella typhimurium strains.

Carcinogenicity: Suspected of causing cancer.

### 4-Vinyl-1-cyclohexene (100-40-3)

<table>
<thead>
<tr>
<th>IARC group</th>
<th>2B - Possibly carcinogenic to humans</th>
</tr>
</thead>
</table>

### 2,6-Di-tert-butyl-p-cresol (128-37-0)

<table>
<thead>
<tr>
<th>IARC group</th>
<th>3 - Not classifiable</th>
</tr>
</thead>
</table>

- Reproductive toxicity: Not classified
  - Reproductive toxicity - Mouse - Intraperitoneal
    Maternal Effects: Ovaries, fallopian tubes.
- STOT-single exposure: Not classified
- STOT-repeated exposure: Not classified
- Aspiration hazard: Not classified
- Symptoms/effects after inhalation: May be harmful if inhaled.
- Symptoms/effects after skin contact: Causes skin irritation.
- Symptoms/effects after eye contact: Causes eye irritation.
- Symptoms/effects after ingestion: May be harmful if swallowed.

### SECTION 12: Ecological information

#### 12.1. Toxicity

- Ecology - general: Toxic to aquatic life.
- Acute aquatic toxicity: Not classified
- Chronic aquatic toxicity: Not classified

#### 4-Vinyl-1-cyclohexene (100-40-3)

| EC50 Daphnia 1 | 1.87 mg/l Daphnia magna |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

##### 2,6-Di-tert-butyl-p-cresol (128-37-0)

| BCF fish 1 | 230 - 2500 |
| Log Pow | 4.17 |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Other adverse effects: This substance may be hazardous to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Sewage disposal recommendations: Do not dispose of waste into sewer.
- Product/Packaging disposal recommendations: Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
- Additional information: Handle empty containers with care because residual vapours are flammable.
- Ecology - waste materials: Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. UN number

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

- UN-No. (ADR) : 1993
- UN-No. (IMDG) : 1993
- UN-No. (IATA) : 1993
- UN-No. (ADN) : 1993
- UN-No. (RID) : 1993
# 4-VINYLM-1-CYCLOHEXENE
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## 14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name (ADR)</td>
<td>FLAMMABLE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Proper Shipping Name (IMDG)</td>
<td>FLAMMABLE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Proper Shipping Name (IATA)</td>
<td>Flammable liquid, n.o.s.</td>
</tr>
<tr>
<td>Proper Shipping Name (ADN)</td>
<td>FLAMMABLE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Proper Shipping Name (RID)</td>
<td>FLAMMABLE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Transport document description (ADR)</td>
<td>UN 1993 FLAMMABLE LIQUID, N.O.S. (4-VINYLM-1-CYCLOHEXENE), 3, II, (D/E)</td>
</tr>
<tr>
<td>Transport document description (IMDG)</td>
<td>UN 1993 FLAMMABLE LIQUID, N.O.S. (4-VINYLM-1-CYCLOHEXENE), 3, II</td>
</tr>
<tr>
<td>Transport document description (IATA)</td>
<td>UN 1993 Flammable liquid, n.o.s. (4-VINYLM-1-CYCLOHEXENE), 3, II</td>
</tr>
<tr>
<td>Transport document description (ADN)</td>
<td>UN 1993 FLAMMABLE LIQUID, N.O.S. (4-VINYLM-1-CYCLOHEXENE), 3, II</td>
</tr>
<tr>
<td>Transport document description (RID)</td>
<td>UN 1993 FLAMMABLE LIQUID, N.O.S. (4-VINYLM-1-CYCLOHEXENE), 3, II</td>
</tr>
</tbody>
</table>

## 14.3. Transport hazard class(es)

### ADR
- Transport hazard class(es) (ADR): 3
- Danger labels (ADR): 3

### IMDG
- Transport hazard class(es) (IMDG): 3
- Danger labels (IMDG): 3

### IATA
- Transport hazard class(es) (IATA): 3
- Hazard labels (IATA): 3

### ADN
- Transport hazard class(es) (ADN): 3
- Danger labels (ADN): 3

### RID
- Transport hazard class(es) (RID): 3
- Danger labels (RID): 3
**4-VINYL-1-CYCLOHEXENE**

**Safety Data Sheet**

---

### 14.4. Packing group

<table>
<thead>
<tr>
<th>Packing group (ADR)</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packing group (IMDG)</td>
<td>II</td>
</tr>
<tr>
<td>Packing group (IATA)</td>
<td>II</td>
</tr>
<tr>
<td>Packing group (ADN)</td>
<td>II</td>
</tr>
<tr>
<td>Packing group (RID)</td>
<td>II</td>
</tr>
</tbody>
</table>

### 14.5. Environmental hazards

- **Dangerous for the environment**: No
- **Marine pollutant**: No
- **Other information**: No supplementary information available

### 14.6. Special precautions for user

**Overland transport**

- **Classification code (ADR)**: F1
- **Special provisions (ADR)**: 274, 601, 640C
- **Limited quantities (ADR)**: 1l
- **Excepted quantities (ADR)**: E2
- **Packing instructions (ADR)**: P001
- **Mixed packing provisions (ADR)**: MP19
- **Portable tank and bulk container instructions (ADR)**: T7
- **Portable tank and bulk container special provisions (ADR)**: TP1, TP8, TP28
- **Tank code (ADR)**: L1.5BN
- **Vehicle for tank carriage**: FL
- **Transport category (ADR)**: 2
- **Special provisions for carriage - Operation (ADR)**: S2, S20
- **Hazard identification number (Kemler No.)**: 33
- **Orange plates**: 1993

- **Tunnel restriction code (ADR)**: D/E
- **EAC code**: •3YE

**Transport by sea**

- **Special provisions (IMDG)**: 274
- **Limited quantities (IMDG)**: 1 L
- **Excepted quantities (IMDG)**: E2
- **Packing instructions (IMDG)**: P001
- **IBC packing instructions (IMDG)**: IBC02
- **Tank instructions (IMDG)**: T7
- **Tank special provisions (IMDG)**: TP1, TP8, TP28
- **EmS-No. (Fire)**: F-E
- **EmS-No. (Spillage)**: S-E
- **Stowage category (IMDG)**: B

**Air transport**

- **PCA Excepted quantities (IATA)**: E2
- **PCA Limited quantities (IATA)**: Y341
- **PCA limited quantity max net quantity (IATA)**: 1L
- **PCA packing instructions (IATA)**: 353
- **PCA max net quantity (IATA)**: 5L
## 4-VINYL-1-CYCLOHEXENE
### Safety Data Sheet

| CAO packing instructions (IATA) | 364 |
| CAO max net quantity (IATA)    | 60L |
| Special provisions (IATA)      | A3  |
| ERG code (IATA)                | 3H  |

- **Inland waterway transport**
  - Classification code (ADN): F1
  - Special provisions (ADN): 274, 601, 640C
  - Limited quantities (ADN): 1 L
  - Excepted quantities (ADN): E2
  - Carriage permitted (ADN): T
  - Equipment required (ADN): PP, EX, A
  - Ventilation (ADN): VE01
  - Number of blue cones/lights (ADN): 1

- **Rail transport**
  - Classification code (RID): F1
  - Special provisions (RID): 274, 601, 640C
  - Limited quantities (RID): 1 L
  - Excepted quantities (RID): E2
  - Packing instructions (RID): P001
  - Mixed packing provisions (RID): MP19
  - Portable tank and bulk container instructions (RID): T7
  - Portable tank and bulk container special provisions (RID): TP1, TP8, TP28
  - Tank codes for RID tanks (RID): L1,5BN
  - Transport category (RID): 2
  - Colis express (express parcels) (RID): CE7
  - Hazard identification number (RID): 33

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions
4-VINYL-1-CYCLOHEXENE is not on the REACH Candidate List
4-VINYL-1-CYCLOHEXENE is not on the REACH Annex XIV List
4-VINYL-1-CYCLOHEXENE is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

- Volatiles: 100 %

#### 15.1.2. National regulations

**Germany**

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

- S Zw-lijst van kankerverwekkende stoffen: The substance is not listed
- S Zw-lijst van mutagene stoffen: The substance is not listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: The substance is not listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: The substance is not listed
NIET-limitele lijst van voor de voortplanting
giftige stoffen – Ontwikkeling

The substance is not listed

Denmark

Class for fire hazard: Class I-1
Store unit: 1 liter
Classification remarks: F <Flam. Liq. Not classified>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations: Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Abbreviations and acronyms:
Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor

Other information: Prepared by safety and environmental affairs.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity, Category 2</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II) - Custom

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