Safety data sheet
according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

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

Relevant identified uses of the substance or mixture:
Preservatives
Sector of use [SU]:
SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Chemical product category [PC]:
PC31 - Polishes and wax blends
Process category [PROC]:
PROC10 - Roller application or brushing
Environmental Release Category [ERC]:
ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC 8d - Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet

Koch-Chemie GmbH, Einsteinstrasse 42, 59423 Unna, Germany
Phone:+49 (0) 2303/9 86 70 - 0, Fax:+49 (0) 2303/9 86 70 - 26
KCU@KOCH-CHEMIE.de, www.KOCH-CHEMIE.de
Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de  Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:
National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:
+353 (0)1 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)
+353 (0)1 809 2566 (Info for Healthcare Professionals ONLY, 24 h, 7 days a week)
Telephone number of the company in case of emergencies:
+49 (0) 700 / 24 112 112 (KCC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq.</td>
<td>2</td>
<td>H225-Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>Asp. Tox.</td>
<td>1</td>
<td>H304-May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>STOT SE</td>
<td>3</td>
<td>H336-May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>2</td>
<td>H411-Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>
2.2 Label elements
Labeling according to Regulation (EC) 1272/2008 (CLP)

Danger

H225-Highly flammable liquid and vapour. H304-May be fatal if swallowed and enters airways. H336-May cause drowsiness or dizziness. H411-Toxic to aquatic life with long lasting effects.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children. P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261-Avoid breathing vapours or spray. P271-Use only outdoors or in a well-ventilated area. P301+P310+P331-IF SWALLOWED: Immediately call a POISON CENTER / doctor. Do NOT induce vomiting. P303+P361+P353-IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P312-Call a POISON CENTRE / doctor if you feel unwell. P403+P233-Store in a well-ventilated place. Keep container tightly closed. P501-Dispose of contents / container safely.

EUH066-Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

2.3 Other hazards
The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %). The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance
n.a.

3.2 Mixture
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

<table>
<thead>
<tr>
<th>Registration number (REACH)</th>
<th>---</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index</td>
<td>---</td>
</tr>
<tr>
<td>EINECS, ELINCS, NLP</td>
<td>920-750-0 (REACH-IT List-No.)</td>
</tr>
<tr>
<td>CAS</td>
<td>---</td>
</tr>
<tr>
<td>content %</td>
<td>80-100</td>
</tr>
</tbody>
</table>

Classification according to Regulation (EC) 1272/2008 (CLP)

Flam. Liq. 2, H225
Asp. Tox. 1, H304
STOT SE 3, H336
Aquatic Chronic 2, H411

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16. The substances named in this section are given with their actual, appropriate classification! For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.
SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

**Inhalation**

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

**Skin contact**

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

**Eye contact**

Remove contact lenses.
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

**Ingestion**

Rinse the mouth thoroughly with water.
Do not induce vomiting - give copious water to drink. Consult doctor immediately.
Danger of aspiration
In case of vomiting, keep head low so that the stomach content does not reach the lungs.
Immediate admittance to a hospital.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
The following may occur:
Irritation of the respiratory tract
Coughing
Headaches
Dizziness
Effects/damages the central nervous system
Coordination disorders
Unconsciousness
With long-term contact:
Drying of the skin.
Dermatitis (skin inflammation)
Ingestion:
Nausea
Vomiting
Danger of aspiration
Oedema of the lungs
Chemical pneumonitis (condition similar to pneumonia)
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Gastric lavage (stomach washing) only under endotracheal intubation.
Delayed effects from exposure can be expected.
Subsequent observation for pneumonia and pulmonary oedema.

SECTION 5: Firefighting measures

5.1 Extinguishing media

**Suitable extinguishing media**
Water jet spray/foam/CO2/dry extinguisher

**Unsuitable extinguishing media**
High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:
Oxides of carbon
Toxic pyrolysis products.
5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Cool container at risk with water.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.
If applicable, caution - risk of slipping.

6.2 Environmental precautions

If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.
Avoid aerosol formation.
Avoid inhalation of the vapours.
Keep away from sources of ignition - Do not smoke.
Use explosion-proof equipment.
Take precautions against electrostatic charges.
Avoid contact with eyes or skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
Store product closed and only in original packing.
Not to be stored in gangways or stair wells.
Solvent resistant floor
Do not store with flammable or self-igniting materials.
Observe special storage conditions.
Store in a well ventilated place.
Protect from direct sunlight and warming.
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7.3 Specific end use(s)
No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):
1200 mg/m³

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</th>
<th>Content %: 80-100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WEL-TWA: 1200 mg/m³</td>
<td>WEL-STEL: ---</td>
</tr>
<tr>
<td></td>
<td>Monitoring procedures:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Draeger - Hydrocarbons 2/a (81 03 581)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Draeger - Hydrocarbons 0.1%/c (81 03 571)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Compur - KITA-187 S (551 174)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMGV: ---</td>
<td>Other information: ---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</th>
<th>Content %: 80-100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OELV-8h: 100 ppm (573 mg/m³) (White Spirit)</td>
<td>OELV-15min: 125 ppm (720 mg/m³) (White Spirit)</td>
</tr>
<tr>
<td></td>
<td>Monitoring procedures:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Draeger - Hydrocarbons 2/a (81 03 581)</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>- Compur - KITA-187 S (551 174)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BLV: ---</td>
<td>Other information: ---</td>
</tr>
</tbody>
</table>

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
--- = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.


OELV-8h = Occupational Exposure Limit Value - 8 h (8-hour reference period as a time-weighted average)
(8) = Short-term exposure limit value in relation to a reference period of 1 minute. (S.L.424.24). (9) = Inhalable fraction (S.L.424.24). (10) = Respirable fraction (S.L.424.24) | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Skin = Possibility of a significant uptake through the skin.
[11] = When selecting an appropriate exposure monitoring method, account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds. (S.L.424.24). (12) = The mist is defined as the thoracic fraction.
8.2 Exposure controls

### Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Descriptor</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human - oral</td>
<td>Long term, systemic effects</td>
<td>DNEL</td>
<td>699</td>
<td>mg/kg</td>
<td>bw/d</td>
<td></td>
</tr>
<tr>
<td>Consumer</td>
<td>Long term, systemic effects</td>
<td>DNEL</td>
<td>699</td>
<td>mg/kg</td>
<td>bw/d</td>
<td></td>
</tr>
<tr>
<td>Consumer</td>
<td>Long term, systemic effects</td>
<td>DNEL</td>
<td>608</td>
<td>mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Workers / employees</td>
<td>Long term, systemic effects</td>
<td>DNEL</td>
<td>773</td>
<td>mg/kg</td>
<td>bw/d</td>
<td></td>
</tr>
<tr>
<td>Workers / employees</td>
<td>Long term, systemic effects</td>
<td>DNEL</td>
<td>2035</td>
<td>mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques. These are specified by e.g. BS EN 14042.

**BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents"**

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

**Eye/face protection:**
- Tight fitting protective goggles with side protection (EN 166).

**Skin protection - Hand protection:**
- Solvent resistant protective gloves (EN 374).
  - If applicable
  - Protective nitrile gloves (EN 374)
  - Minimum layer thickness in mm: 0.4
  - Permeation time (penetration time) in minutes: > 480
- Protective hand cream recommended.

**Skin protection - Other:**
- Solvent resistant protection clothing (EN 13034)

**Respiratory protection:**
- If OES or MEL is exceeded.
- Gas mask filter A (EN 14387), code colour brown
- Observe wearing time limitations for respiratory protection equipment.
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Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls
No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>White, Turbid</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>n.a.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>&lt;-20 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt;100 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>~1 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower explosive limit</td>
<td>0,9 Vol-%</td>
</tr>
<tr>
<td>Upper explosive limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>4,4 kPa (20°C)</td>
</tr>
<tr>
<td>Vapour density (air = 1)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density</td>
<td>0,738 g/ml</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt;7 mm2/s (40°C)</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Possible build up of explosive/highly flammable vapour/air mixture.</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

9.2 Other information

Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
The product has not been tested.

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
No decomposition if used as intended.

10.4 Conditions to avoid
**10.5 Incompatible materials**
See also section 7.
Avoid contact with strong oxidizing agents.

**10.6 Hazardous decomposition products**
See also section 5.2
No decomposition when used as directed.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

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<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Symptoms:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other information:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Classification according to calculation procedure.</td>
<td></td>
</tr>
</tbody>
</table>

#### Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt;5000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>5000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;2800</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td>OECD 402 (Acute Dermal Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>2800</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td>OECD 402 (Acute Dermal Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td>OECD 402 (Acute Dermal Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>&gt;23,3</td>
<td>ml/l/4h</td>
<td>Rat</td>
<td>OECD 403 (Acute Inhalation Toxicity)</td>
<td>Vapours</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>&gt;23,3</td>
<td>ml/l/4h</td>
<td>Rat</td>
<td>OECD 403 (Acute Inhalation Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 404 (Acute Dermal Irritation/Corrosion)</td>
<td>Not irritant</td>
</tr>
</tbody>
</table>
### Skin corrosion/irritation:
Repeated exposure may cause skin dryness or cracking.

### Serious eye damage/irritation:
Rabbit, OECD 405 (Acute Eye Irritation/Corrosion), Not irritant

### Respiratory or skin sensitisation:
Guinea pig, OECD 406 (Skin Sensitisation), Not sensitizing

### Germ cell mutagenicity:
OECD 473 (In Vitro Mammalian Chromosome Aberration Test), Negative

### Germ cell mutagenicity:
2000 mg/kg, Mouse, OECD 474 (Mammalian Erythrocyte Micronucleus Test), Negative

### Reproductive toxicity:
LOAEL 9000 ppm, Rat, OECD 416 (Two-generation Reproduction Toxicity Study), Negative

### Aspiration hazard:
Yes

### Symptoms:
drowsiness, unconsciousness, heart/circulatory disorders, headaches, cramps, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting.

### SECTION 12: Ecological information
Possibly more information on environmental effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2. Persistence and degradability:</td>
<td>Isolate as much as possible with an oil separator.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.6. Other adverse effects:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Other information:

According to the recipe, contains no AOX.

<table>
<thead>
<tr>
<th>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity / effect</strong></td>
</tr>
<tr>
<td>-----------------------</td>
</tr>
<tr>
<td>12.1. Toxicity to fish:</td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia:</td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia:</td>
</tr>
<tr>
<td>12.1. Toxicity to algae:</td>
</tr>
<tr>
<td>12.1. Toxicity to algae:</td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
</tr>
</tbody>
</table>

Toxicity to bacteria: EL50 48h 11,14 mg/l calculated value

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**For the substance / mixture / residual amounts**

Ec disposal code no.: 

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

07 07 04 other organic solvents, washing liquids and mother liquors

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Residues may present a risk of explosion.

### SECTION 14: Transport information

**General statements**

**14.1. UN number:**

1993
Transport by road/by rail (ADR/RID)
14.2. UN proper shipping name:
UN 1993 FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM))
14.3. Transport hazard class(es):
3
14.4. Packing group:
II
Classification code: F1
LQ: 1 L
14.5. Environmental hazards: environmentally hazardous
Tunnel restriction code: D/E

Transport by sea (IMDG-code)
14.2. UN proper shipping name:
FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM))
14.3. Transport hazard class(es):
3
14.4. Packing group:
II
EmS: F-E, S-E
Marine Pollutant: Yes
14.5. Environmental hazards: environmentally hazardous

Transport by air (IATA)
14.2. UN proper shipping name:
Flammable liquid, n.o.s. (NAPHTHA (PETROLEUM))
14.3. Transport hazard class(es):
3
14.4. Packing group:
II
14.5. Environmental hazards: Not applicable

14.6. Special precautions for user
Persons employed in transporting dangerous goods must be trained.
All persons involved in transporting must observe safety regulations.
Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Freighted as packaged goods rather than in bulk, therefore not applicable.
Minimum amount regulations have not been taken into account.
Danger code and packing code on request.
Comply with special provisions.

SECTION 15: Regulatory information

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

Observe restrictions:
Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!
Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Notes to Annex I</th>
<th>Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements</th>
<th>Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5c</td>
<td></td>
<td>5000</td>
<td>50000</td>
</tr>
<tr>
<td>E2</td>
<td></td>
<td>200</td>
<td>500</td>
</tr>
</tbody>
</table>

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC): ~ 98 %

15.2 Chemical safety assessment
A chemical safety assessment is not provided for mixtures.
SECTION 16: Other information

Revised sections: 8
Employee training in handling dangerous goods is required.
These details refer to the product as it is delivered.
Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

<table>
<thead>
<tr>
<th>Classification in accordance with regulation (EC) No. 1272/2008 (CLP)</th>
<th>Evaluation method used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2, H225</td>
<td>Classification based on test data.</td>
</tr>
<tr>
<td>Asp. Tox. 1, H304</td>
<td>Classification according to calculation procedure.</td>
</tr>
<tr>
<td>STOT SE 3, H336</td>
<td>Classification according to calculation procedure.</td>
</tr>
<tr>
<td>Aquatic Chronic 2, H411</td>
<td>Classification according to calculation procedure.</td>
</tr>
</tbody>
</table>

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3):
- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid
Asp. Tox. — Aspiration hazard
STOT SE — Specific target organ toxicity - single exposure - narcotic effects
Aquatic Chronic — Hazardous to the aquatic environment - chronic

Any abbreviations and acronyms used in this document:

AC Article Categories
acc., acc. to according, according to
ACGIHAmerican Conference of Governmental Industrial Hygienists
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL Acceptable Operator Exposure Level
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BauA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV Biological monitoring guidance value (EH40, UK)
BOD Biochemical oxygen demand
BSEF Bromine Science and Environmental Forum
bw body weight
CAS Chemical Abstracts Service
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC Collaborative International Pesticides Analytical Council
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:
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