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

1.1. Product identifier

Name of product: GMK 2410
Code-Nr: 161000

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

Recommended intended purpose(s)
1-Component Adhesives and Sealants

1.3. Details of the supplier of the safety data sheet

Distributor: WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster
Phone: ++49(0)251 / 9322 - 0, Fax: ++49(0)251 / 9322 - 244
E-Mail: msds@weicon.de
Internet: www.weicon.de

Advice: Produktsicherheit / Product-Safety-Department
Phone: ++49(0)251 / 9322 - 0
E-mail (competent person): msds@weicon.de

1.4. Emergency telephone number

EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)
TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

Manufacturer: WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster

1.4. Emergency telephone number

GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):
Tel: ++49 69 222 25285 (Deutsch, Englisch)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Hazard classes and Hazard categories</th>
<th>Hazard Statements</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2</td>
<td>H225</td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>H319</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>H336</td>
<td></td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>H400</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>H410</td>
<td></td>
</tr>
</tbody>
</table>

**Hazard Statements**

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336  May cause drowsiness or dizziness.
H400  Very toxic to aquatic life.
H410  Very toxic to aquatic life with long lasting effects.

Additional hints
This product is not to be used for carpet laying. This product is not to be used under conditions of poor ventilation.

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>GHS02</th>
<th>GHS07</th>
<th>GHS09</th>
</tr>
</thead>
</table>

Signal word
Danger

Hazard Statements
H225  Highly flammable liquid and vapour.
H315  Causes skin irritation.
H319  Causes serious eye irritation.
H336  May cause drowsiness or dizziness.
H410  Very toxic to aquatic life with long lasting effects.

Precautionary Statements
P102  Keep out of reach of children.
P210  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233  Keep container tightly closed.
P243  Take precautionary measures against static discharge.
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P264  Wash hands thoroughly after handling.
P271  Use only outdoors or in a well-ventilated area.
P273  Avoid release to the environment.
P270  Wear protective gloves/protective clothing/eye protection/face protection.
P304 + P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312  Call a POISON CENTER or doctor/physician if you feel unwell.
P313  If skin irritation occurs: Get medical advice/attention.
P313  If eye irritation persists: Get medical advice/attention.
P321  Take off contaminated clothing.
P317 + P388  In case of fire: Use foam for extinguishment.
P403 + P233  Store in a well-ventilated place. Keep container tightly closed.
P403 + P235  Store in a well-ventilated place. Keep cool.
P405  Store locked up.
P501  Dispose of contents/container to hazardous or special waste collection point.

Hazardous ingredients for labeling
cyclohexane, ethyl-acetate
Special rules for supplemental label elements for certain mixtures
Contains Colophony. May produce an allergic reaction.

2.3. Other hazards
Product has an anesthetic effect.

Information pertaining to special dangers for human and environment
In extensive use, formation of flammable / explosive vapour-air mixture is possible.

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

<table>
<thead>
<tr>
<th>CAS No</th>
<th>EC No</th>
<th>Name</th>
<th>[% weight]</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-82-7</td>
<td>203-806-2</td>
<td>cyclohexane</td>
<td>&lt; 40</td>
<td>Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>xylene</td>
<td>&lt; 0,2</td>
<td>Flam. Liq. 3, H226 / Acute Tox. 4, H332 / Acute Tox. 4, H312 / Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>8050-09-7</td>
<td>232-475-7</td>
<td>colophony</td>
<td>0,1 &lt; 1</td>
<td>Aquatic Acute 1, H400 / Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>1314-13-2</td>
<td>215-222-5</td>
<td>zinc oxide</td>
<td>1</td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td>98-54-4</td>
<td>202-679-0</td>
<td>Para-tert.-Butylphenol</td>
<td>&lt; 0,3</td>
<td>Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H335 / Aqu. Chron. 2, H411 / Repr. 2, H361</td>
</tr>
<tr>
<td>128-37-0</td>
<td>204-881-4</td>
<td>2,6-Di-tert.-butyl-p-cresol</td>
<td>&lt; 0,3</td>
<td>Aqu. Acute 1, H400 / Aqu. Chronic 1, H410</td>
</tr>
</tbody>
</table>

REACH

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Name</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>98-54-4</td>
<td>Para-tert.-Butylphenol</td>
<td>01-2119489419-21-0000</td>
</tr>
<tr>
<td>128-37-0</td>
<td>2,6-Di-tert.-butyl-p-cresol</td>
<td>01-2119555270-46-0000</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
Remove contaminated soaked clothing immediately.
Seek medical treatment immediately.
Take away from danger area and lay down affected person.

In case of inhalation
Ensure of fresh air.
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.
In case of eye contact
After eye contact, rinse opened eye for 15 minutes under running water. Transfer to hospital for specialist examination.

In case of ingestion
Do not induce vomiting. Call for a doctor immediately.

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

Physician's information / possible symptoms
In case of inhalation of plenty of solvent-containing fumes the following symptoms may occur:
- Headache
- Confusion
- Dizziness
- Gastrointestinal complaints

Physician's information / possible dangers
- Asthmatic symptoms
- Risk of pulmonary oedema
- Allergic reactions

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)
If necessary, give oxygen. Monitor circulation.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
- Alcohol-resistant foam
- Dry powder
- Carbon dioxide
- Sand
- Water spray jet

Unsuitable extinguishing media
- Full water jet

5.2. Special hazards arising from the substance or mixture
May lead to formation of explosive/easily ignitable vapour air mixtures. In case of fire formation of dangerous gases possible.
- Carbon monoxide (CO)
- Carbon dioxide (CO2)

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information
Vapours are heavier than air and will spread on the ground. Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

6.2. Environmental precautions
Inform pollution control authorities if product gets into the sewerage systems or open waters.
Do not discharge into the drains or bodies of water.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up
Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Disposal according to regulations.

Additional Information
Sort out leaky cans and dispose according to regulations.

6.4. Reference to other sections
Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Open and handle container with care!

General protective measures
Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures
At work do not eat, drink and smoke.
Wash hands before breaks and after work.

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep in closed original container.

Advice on storage compatibility
Do not store together with animal feedstuffs.
Do not store together with food.
Do not store together with oxidizing agents.

Further information on storage conditions
Keep container tightly closed and store at cool and aired place.
Store only at temperature of 30°C maximum (=86°F).
Protect from heat and direct solar radiation.
7.3. Specific end use(s)
Recommendation(s) for intended use
See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Ingredients with occupational exposure limits to be monitored

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Name</th>
<th>Code</th>
<th>[mg/m³]</th>
<th>[ppm]</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-82-7</td>
<td>Cyclohexane</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>8</td>
<td>350</td>
<td>1050</td>
<td>EH40/2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short-term</td>
<td>1050</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>128-37-0</td>
<td>2,6-Di-tert-butyl-p-cresol</td>
<td>8</td>
<td>10</td>
<td></td>
<td>EH40/2005</td>
</tr>
<tr>
<td>141-78-6</td>
<td>Ethyl acetate</td>
<td>8</td>
<td></td>
<td>200</td>
<td>EH40/2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short-term</td>
<td></td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>7085-85-0</td>
<td>Ethyl cyanoacrylate</td>
<td>8</td>
<td></td>
<td></td>
<td>EH40/2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short-term</td>
<td></td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.3</td>
<td></td>
</tr>
<tr>
<td>8050-09-7</td>
<td>Rosin-based solder flux fume</td>
<td>8</td>
<td>0.05</td>
<td></td>
<td>EH40/2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short-term</td>
<td></td>
<td>0.15</td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene, o-, m-, p- or mixed isomers</td>
<td>8</td>
<td>220</td>
<td>50</td>
<td>EH40/2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short-term</td>
<td></td>
<td>441</td>
<td></td>
</tr>
<tr>
<td>CAS No</td>
<td>Name</td>
<td>Code</td>
<td>[mg/m³]</td>
<td>[ppm]</td>
<td>Remark</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------------</td>
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<td>---------</td>
<td>-------</td>
<td>---------------</td>
</tr>
<tr>
<td>110-82-7</td>
<td>Cyclohexane</td>
<td>8</td>
<td>700</td>
<td>200</td>
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</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene, mixed isomers, pure</td>
<td>8</td>
<td>221</td>
<td>50</td>
<td>skin</td>
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<tr>
<td></td>
<td></td>
<td>Short-term</td>
<td></td>
<td>442</td>
<td></td>
</tr>
<tr>
<td>DNEL-/PNEC-values</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No</td>
<td>Substance name</td>
<td>Value</td>
<td>Code</td>
<td>Remark</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
<td>-------</td>
<td>------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>1314-13-2</td>
<td>zinc oxide</td>
<td>5 mg/m³</td>
<td>DNEL long-term inhalative</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(systemic)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>141-78-6</td>
<td>ethyl-acetate</td>
<td>63 mg/kg</td>
<td>DNEL long-term dermal (systemic)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1468 mg/m³</td>
<td>DNEL acute inhalative (systemic)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>734 mg/m³</td>
<td>DNEL long-term inhalative (local)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1468 mg/m³</td>
<td>DNEL acute inhalative (local)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PNEC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No</td>
<td>Substance name</td>
<td>Value</td>
<td>Code</td>
<td>Remark</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
<td>-------</td>
<td>------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>1314-13-2</td>
<td>zinc oxide</td>
<td>0,0206 mg/l</td>
<td>PNEC aquatic, freshwater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,0061 mg/l</td>
<td>PNEC aquatic, marine water</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>117,8 mg/kg</td>
<td>PNEC sediment, freshwater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>56,5 mg/kg</td>
<td>PNEC sediment, marine water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>141-78-6</td>
<td>ethyl-acetate</td>
<td>0,24 mg/l</td>
<td>PNEC aquatic, freshwater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,15 mg/kg</td>
<td>PNEC sediment, freshwater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,115 mg/kg</td>
<td>PNEC sediment, marine water</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,024 mg/l</td>
<td>PNEC aquatic, marine water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Additional advice
The statutory local and national regulations have to be observed.

8.2. Exposure controls
Respiratory protection
If ventilation insufficient, wear respiratory protection.
Short term: filter apparatus, filter A

Hand protection
In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
Not suitable: PVC gloves
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min; 60min.
Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Eye protection
Tightly fitting goggles

Other protection measures
Protective clothing

Appropriate engineering controls
Sufficient ventilation and exhaustion.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Temperature</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>Various</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Fruity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Important health, safety and environmental information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Temperature</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH value</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point</td>
<td>77 - 82 °C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point / Freezing point</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>-11 °C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapourisation rate</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammable (solid)</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (gas)</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>1 Vol-%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Upper explosion limit
- **Value**: 12.8 Vol-%
- **Method**: Not determined

### Vapour pressure
- **Value**: 104 hPa
- **Temperature**: 20 °C
- **Remark**: Cyclohexane

### Relative density
- **Value**: 0.94 g/cm³
- **Temperature**: 20 °C

### Vapour density
- **Value**: Not determined

### Solubility in water
- **Value**: Immiscible

### Solubility/other
- **Value**: Not determined

### Partition coefficient n-octanol/water (log P O/W)
- **Value**: Not determined

### Decomposition temperature
- **Value**: Not determined

### Viscosity dynamic
- **Value**: Ca. 2300 mPa·s
- **Temperature**: 20 °C

### Solids content
- **Value**: Ca. 32%

---

### Oxidising properties
- **Value**: No information available.

### Explosive properties
- **Value**: The product is considered non-explosive; nevertheless explosive vapour/air mixtures can be generated.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
- **Value**: No information available.

#### 10.2. Chemical stability
- **Value**: No information available.

#### 10.3. Possibility of hazardous reactions
- **Value**: Danger of explosion.

#### 10.4. Conditions to avoid
- **Value**: Keep away from heat.
- **Remark**: Heat.

#### 10.5. Incompatible materials
- **Value**: Substances to avoid
- **Remark**: Reactions with strong oxidising agents.

#### 10.6. Hazardous decomposition products
- **Value**: Carbon monoxide and carbon dioxide.
Thermal decomposition
Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

<table>
<thead>
<tr>
<th>Value/Validation</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 acute oral</td>
<td>&gt; 5000 mg/kg</td>
<td>rat</td>
<td>OECD 401 Cyclohexane</td>
</tr>
<tr>
<td>LD50 acute dermal</td>
<td>&gt; 2000 mg/kg</td>
<td>rabbit</td>
<td>OECD 402 Cyclohexanone</td>
</tr>
<tr>
<td>LC50 acute inhalation</td>
<td>&gt; 32.88 mg/l (4 h)</td>
<td>rat</td>
<td>OECD 403 Cyclohexane</td>
</tr>
</tbody>
</table>

Skin irritation irritant
Eye irritation irritant
Skin sensitization non-sensitizing

Experiences made from practice
Vapours may cause dizziness, headaches and tiredness
May irritate the mucosae.
Risk of strong health injuries in case of long-term exposition.
Inhalation can cause damage to the respiratory tract or lungs.
Frequent persistent contact with the skin may cause skin irritation.
Irritates eyes and skin.

Additional information
The product is to be handled with the caution usual with chemicals.
Other hazardous properties may not be excluded.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

<table>
<thead>
<tr>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish LC50</td>
<td>Pimephales promelas</td>
<td>OECD 203</td>
<td>Ethyl acetate</td>
</tr>
<tr>
<td>Daphnia EC50</td>
<td>Daphnia magna</td>
<td>DIN 38412</td>
<td>Ethyl acetate</td>
</tr>
<tr>
<td>Algae EC50</td>
<td>No information</td>
<td>OECD 201</td>
<td>Cyclohexane</td>
</tr>
<tr>
<td>Bacteria EC10</td>
<td>Pseudomonas putida</td>
<td></td>
<td>Ethyl acetate</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Biological degradability</th>
<th>Method of analysis</th>
<th>Method</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>77 % (28 d)</td>
<td>OECD 301 F</td>
<td></td>
<td>readily degradable</td>
</tr>
</tbody>
</table>

Cyclohexane
12.3. Bioaccumulative potential
Cyclohexane: Slight bioaccumulation potential.

12.4. Mobility in soil
No information 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 regulation
Very toxic to aquatic life with long lasting effects.
Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into the ground water or aquatic environment.
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
<table>
<thead>
<tr>
<th>Waste code No.</th>
<th>Name of waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 04 09*</td>
<td>waste adhesives and sealants containing organic solvents or other hazardous substances</td>
</tr>
</tbody>
</table>

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product
Remove in accordance with local official regulations.

Recommendations for packaging
Dispose of according to the local waste regulations.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA-DGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>1133</td>
<td>1133</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>ADHESIVES (Cyclohexane and Ethyl acetate)</td>
<td>ADHESIVES (Cyclohexane and Ethyl acetate)</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>II</td>
<td>II</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

Land and inland navigation transport ADR/RID
Hazard label(s) 3
tunnel restriction code D/E
Special provisions 640D
Classification code F1
SECTION 15: Regulatory information

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

VOC standard

<table>
<thead>
<tr>
<th>VOC content</th>
<th>ca.68 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC value</td>
<td>ca.639.2 g/L</td>
</tr>
</tbody>
</table>

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions
National and local regulations concerning chemicals shall be observed.
For industrial use only.

Further information
Each user is responsible for the implementation of the national special regulations.
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.6

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
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.