Dichtungsmasse K Transparent

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

1.1. Product identifier
Dichtungsmasse K Transparent

Contains:
n-butyl acetate

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use:
Joint sealant, Synthetic rubber

1.3. Details of the supplier of the safety data sheet
Monier Roofing Components GmbH
Frankfurter Landstraße 2-4
61440 Oberursel
Phone: +49 30 43 55 91 30
Fax-no.: +49-30 43 55 91 29
E-Mail: Responsible for safety data sheet: Department Quality Management anne.schuchardt@monier.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):
- Flammable liquids
- H226 Flammable liquid and vapor.
- Specific target organ toxicity - single exposure
- H336 May cause drowsiness or dizziness.

Classification:
Category 3

2.2. Label elements

Label elements (CLP):

Hazard pictogram:

Signal word: Warning

Hazard statement:
H226 Flammable liquid and vapor.
H336 May cause drowsiness or dizziness.
Supplemental information: EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement:
P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P261 Avoid breathing vapours.
P271 Use only outdoors or in a well-ventilated area.
P501 Dispose of contents/container in accordance with national regulation.

2.3. Other hazards
Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.
Pregnant women should absolutely avoid inhalation and skin contact.
Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description:
Joint sealants
Base substances of preparation:
Synthetic rubber

Declaration of the ingredients according to CLP (EC) No 1272/2008:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>EC Number(\text{REACH-Reg No.})</th>
<th>content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>204-658-1 01-2119485493-29</td>
<td>20-40 %</td>
<td>Flam. Liq. 3 H226 STOT SE 3 H336</td>
</tr>
</tbody>
</table>

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of adverse health effects seek medical advice.

Inhalation:
Move to fresh air, consult doctor if complaint persists.

Skin contact:
Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:
Rinse immediately with plenty of running water, seek medical advice if necessary.

Ingestion:
Rinse mouth, do not induce vomiting, consult a doctor.
4.2. Most important symptoms and effects, both acute and delayed
Vapors may cause drowsiness and dizziness.
Repeated exposure may cause skin dryness or cracking.

4.3. Indication of any immediate medical attention and special treatment needed
See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:
High pressure waterjet

5.2. Special hazards arising from the substance or mixture
In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

5.3. Advice for firefighters
Wear protective equipment.
Wear self-contained breathing apparatus.

Additional information:
Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Wear protective equipment.
Danger of slipping on spilled product.

6.2. Environmental precautions
Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up
Remove mechanically.
Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections
See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid skin and eye contact.
Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
During processing and drying after adhesion, ventilate well. Avoid all sources of fire such as stoves and ovens. Switch off all electrical devices such as parabolic heaters, hot plates, storage heaters etc. in good time for them to have cooled down before commencing work. Avoid all sparks, including those occurring at electrical switches and devices.

Hygiene measures:
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.
7.2. Conditions for safe storage, including any incompatibilities
Keep container tightly sealed.
Store in a cool, dry place.
Temperatures between +5 °C and +25 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)
Joint sealant, Synthetic rubber

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits
Valid for
Germany
None

Predicted No-Effect Concentration (PNEC):

<table>
<thead>
<tr>
<th>Name on list</th>
<th>Environmental Compartement</th>
<th>Exposure period</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/l</td>
<td>ppm</td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>aqua (freshwater)</td>
<td></td>
<td>0,18 mg/l</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>aqua (marine water)</td>
<td></td>
<td>0,018 mg/l</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>aqua (intermittent releases)</td>
<td></td>
<td>0,36 mg/l</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>sewage treatment plant (STP)</td>
<td></td>
<td>35,6 mg/l</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>sediment (freshwater)</td>
<td></td>
<td>0,981</td>
<td>mg/kg</td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>sediment (marine water)</td>
<td></td>
<td>0,0981</td>
<td>mg/kg</td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>soil</td>
<td></td>
<td>0,0903</td>
<td>mg/kg</td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Predator</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Derived No-Effect Level (DNEL):

<table>
<thead>
<tr>
<th>Name on list</th>
<th>Application Area</th>
<th>Route of Exposure</th>
<th>Health Effect</th>
<th>Exposure Time</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Workers</td>
<td>inhalation</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>300 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Workers</td>
<td>inhalation</td>
<td>Acute/short term exposure - systemic effects</td>
<td></td>
<td>600 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Workers</td>
<td>inhalation</td>
<td>Long term exposure - local effects</td>
<td></td>
<td>300 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Workers</td>
<td>inhalation</td>
<td>Acute/short term exposure - local effects</td>
<td></td>
<td>600 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Workers</td>
<td>dermal</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>11 mg/kg</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>Workers</td>
<td>dermal</td>
<td>Acute/short term exposure - systemic effects</td>
<td></td>
<td>11 mg/kg</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>inhalation</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>35,7 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>inhalation</td>
<td>Acute/short term exposure - systemic effects</td>
<td></td>
<td>300 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>inhalation</td>
<td>Acute/short term exposure - local effects</td>
<td></td>
<td>300 mg/m3</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>dermal</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>6 mg/kg</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>dermal</td>
<td>Acute/short term exposure - systemic effects</td>
<td></td>
<td>6 mg/kg</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>oral</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>2 mg/kg</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>oral</td>
<td>Acute/short term exposure - systemic effects</td>
<td></td>
<td>2 mg/kg</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>General population</td>
<td>inhalation</td>
<td>Long term exposure - local effects</td>
<td></td>
<td>35,7 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Respiratory protection:

- Suitable breathing mask when there is inadequate ventilation.
- Combination filter: ABEKP (EN 14387)
- This recommendation should be matched to local conditions.
Hand protection:
Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s). Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist’s shops.
In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374. Perforation time > 60 minutes 
material thickness > 0,3 mm
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:
Goggles which can be tightly sealed.
Protective eye equipment should conform to EN166.

Skin protection:
Suitable protective clothing
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advises to personal protection equipment:
The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

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>Appearance</td>
<td>liquid, pasty, colourless</td>
</tr>
<tr>
<td>Odor</td>
<td>of solvent</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Solidification temperature</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>124 °C (255.2 °F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>27 °C (80.6 °F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Density (20 °C (68 °F))</td>
<td>0.94 - 0.96 g/cm³</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Solubility (qualitative)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>(23 °C (73.4 °F); Solvent: Water)</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Viscosity (20 °C (68 °F))</td>
<td>15.000 mPa.s</td>
</tr>
<tr>
<td>Viscosity (kinematic)</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available / Not applicable</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available / Not applicable</td>
</tr>
</tbody>
</table>
9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
Reaction with oxidants.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
See section reactivity

10.4. Conditions to avoid
None if used for intended purpose.

10.5. Incompatible materials
See section reactivity.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

STOT-single exposure:
May cause drowsiness or dizziness.

Inhalative toxicity:
The toxicity of the product is due to its narcotic effect after inhalation.
In the event of protracted or repeated exposure, damage to health cannot be excluded.

Skin irritation:
Repeated exposure may cause skin dryness or cracking.

Acute oral toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate 123-86-4</td>
<td>LD50</td>
<td>&gt; 8.800 mg/kg</td>
<td>oral</td>
<td></td>
<td>rat</td>
<td>BASF Test</td>
</tr>
</tbody>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate 123-86-4</td>
<td>LC50</td>
<td>&gt; 23.4 mg/l</td>
<td></td>
<td>4 h</td>
<td>rat</td>
<td>OECD Guideline 403 (Acute Inhalation Toxicity)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate 123-86-4</td>
<td>not irritating</td>
<td></td>
<td>rabbit</td>
<td>OECD Guideline 404 (Acute Dermal Irritation / Corrosion)</td>
</tr>
</tbody>
</table>
Serious eye damage/irritation:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>not irritating</td>
<td></td>
<td>rabbit</td>
<td>OECD Guideline 405 (Acute Eye Irritation / Corrosion)</td>
</tr>
</tbody>
</table>

Respiratory or skin sensitization:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Test type</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>not sensitising</td>
<td>Guinea pig maximisation test</td>
<td>guinea pig</td>
<td>not specified</td>
</tr>
</tbody>
</table>

Germ cell mutagenicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Type of study / Route of administration</th>
<th>Metabolic activation / Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g Ames test)</td>
<td>with and without</td>
<td>guinea pig</td>
<td>OECD Guideline 471 (Bacterial Reverse Mutation Assay)</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>negative</td>
<td>mammalian cell gene mutation assay</td>
<td>with and without</td>
<td>guinea pig</td>
<td>OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>negative</td>
<td>oral: gavage</td>
<td></td>
<td>mouse</td>
<td>OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)</td>
</tr>
</tbody>
</table>

Repeated dose toxicity

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Route of application</th>
<th>Exposure time / Frequency of treatment</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>NOAEL=125 mg/kg</td>
<td>oral: gavage</td>
<td>6 (interim sacrifice) or 13 wdaily</td>
<td>rat</td>
<td>EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

General ecological information:
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Do not empty into drains, soil or bodies of water.
12.1. Toxicity

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>LC50</td>
<td>18 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Pimephales promelas</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>EC50</td>
<td>44 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia sp.</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>EC50</td>
<td>674,7 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>EC10</td>
<td>295,5 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>IC50</td>
<td>356 mg/l</td>
<td>Bacteria</td>
<td>40 h</td>
<td>Ciliate (Tetrahymena pyriformis)</td>
<td>other guideline:</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>NOEC</td>
<td>23,2 mg/l</td>
<td>chronic Daphnia</td>
<td>21 d</td>
<td>Daphnia magna</td>
<td>OECD 211 (Daphnia magna, Reproduction Test)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Route of application</th>
<th>Degradability</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>readily biodegradable</td>
<td>aerobic</td>
<td>83 %</td>
<td>OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential / 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>LogPow</th>
<th>Bioconcentration factor (BCF)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Temperature</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>2,3</td>
<td></td>
<td></td>
<td></td>
<td>25 ºC</td>
<td>OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>PBT/vPvB</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.</td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

14 06 03 Other solvents and solvent mixtures
SECTION 14: Transport information

14.1. UN number

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
IATA 1133

14.2. UN proper shipping name

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
IATA Adhesives

14.3. Transport hazard class(es)

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
IATA 3

14.4. Packing group

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
IATA III

14.5. Environmental hazards

ADR not applicable
RID not applicable
ADN not applicable
IMDG not applicable
IATA not applicable

14.6. Special precautions for user

ADR not applicable
RID not applicable
ADN not applicable
IMDG Transport in accordance with 2.3.2.5 of the IMDG Code.
IATA No dangerous good according to ADR/RID/ADN. Carriage in accordance with 1.1.4.2.1 ADR/RID/ADN.

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

VOC content 24,00 %
(VOCV 814.018 VOC regulation CH)
15.2. Chemical safety assessment
A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: 1, slightly water-endangering product. (German VwVwS of May 17, 1999)
Classification in conformity with the calculation method
Storage class according to TRGS 510: 3

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:
H226 Flammable liquid and vapor.
H336 May cause drowsiness or dizziness.

Further information:
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.