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

1.1 Product identifier

Trade name: illbruck FM330

MSDS code: A-I-FM330

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

No further relevant information available.

Application of the substance / the mixture: Sealant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
tremco illbruck Productie B.V.
Vletskade 1032, 4241 WC Arkel
T: +31 (0) 183568000, F: +31 (0) 183568100
msds@tremco-illbruck.com

Further information obtainable from:
tremco illbruck Ltd
Coupland Road, Hindley Green, Wigan, WN2 4HT
T: +44 (0) 1942251400, F: +44 (0) 1942251410
www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com

1.4 Emergency telephone number:
During office hours tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.
Carc. 2 H351 Suspected of causing cancer.
STOT SE 3 H335 May cause respiratory irritation.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Trade name: illbruck FM330

· Hazard pictograms

GHS02  GHS07  GHS08

· Signal word Danger

· Contains:
methylenediphenyl diisocyanate

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P284 In case of inadequate ventilation wear respiratory protection.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

· Supplemental information:

EUH204 Contains isocyanates. May produce an allergic reaction.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Active substance with propellant

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 26447-40-5</td>
<td>methylenediphenyl diisocyanate</td>
</tr>
<tr>
<td>EINECS: 247-714-0</td>
<td>Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119457015-45-xxxx</td>
<td>30–50%</td>
</tr>
<tr>
<td>CAS: 9082-00-2</td>
<td>Ethoxylated/propoxylated glycerol</td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, H302</td>
</tr>
</tbody>
</table>
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.03.2019  Version number 5  Revision: 15.03.2019

Trade name: illbruck FM330

| CAS: 25791-96-2 | Glycerol, propoxylated | Acute Tox. 4, H302 | 10-<20% |
| NLP: 500-044-5 | | | |
| EC number: 911-815-4 | tris(2-chloro-1-methyl-ethyl)phosphate | Acute Tox. 4, H302 | 10-<20% |
| Reg.nr.: 01-2119486772-26-xxxx | | | |
| CAS: 115-10-6 | dimethyl ether | Flam. Gas 1, H220; Press. Gas (Comp.), H280 | 5-<10% |
| EINECS: 204-065-8 | | | |
| Reg.nr.: 01-2119472128-37-xxxx | | | |
| CAS: 75-28-5 | isobutane | Flam. Gas 1, H220; Press. Gas (Comp.), H280 | 5-<10% |
| EINECS: 200-857-2 | | | |
| Reg.nr.: 01-2119485395-27-xxxx | | | |
| CAS: 74-98-6 | propane | Flam. Gas 1, H220; Press. Gas (Comp.), H280 | 1-<5% |
| EINECS: 200-827-9 | | | |
| Reg.nr.: 01-2119486944-21-xxxx | | | |

· SVHC -
· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures
· General information: Take affected persons out of danger area and lay down.
· After inhalation: Supply fresh air and to be sure call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.
· After skin contact: Immediately wash with water and soap and rinse thoroughly.
  If symptoms persist consult doctor.
· After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing: Do not induce vomiting; call for medical help immediately.
· 4.2 Most important symptoms and effects, both acute and delayed
  No further relevant information available.
· Information for doctor: No further relevant information available.
· Hazards No further relevant information available.
· 4.3 Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media
· Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· For safety reasons unsuitable extinguishing agents: Water with full jet
· 5.2 Special hazards arising from the substance or mixture
  Carbon monoxide (CO)
  Carbon dioxide (CO2)
  Nitrogen oxides (NOx)
  Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
  Hydrogen cyanide (HCN)
Trade name: illbruck FM330

- 5.3 Advice for firefighters
  - Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  - Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  - Dispose of contaminated material as waste according to Section 13.
  - Ensure adequate ventilation.
  - Do not flush with water or aqueous cleansing agents
- 6.4 Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  - Ensure good ventilation/exhaustion at the workplace.
  - Open and handle receptacle with care.
- Information about fire - and explosion protection:
  - Do not spray onto a naked flame or any incandescent material.
  - Protect against electrostatic charges.
  - Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles:
      - Observe official regulations on storing packagings with pressurised containers.
    - Information about storage in one common storage facility: Store away from water.
    - Further information about storage conditions:
      - Keep container tightly sealed.
      - Do not seal receptacle gas tight.
      - Store in cool, dry conditions in well sealed receptacles.
      - Protect from heat and direct sunlight.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    - CAS: 115-10-6 dimethyl ether
    - WEL
      - Short-term value: 958 mg/m³, 500 ppm
      - Long-term value: 766 mg/m³, 400 ppm

(Contd. on page 5)
### Long term effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenediphenyl diisocyanate</td>
<td>26447-40-5</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methylethyl)phosphate</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Type</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial, Consumer</td>
<td>Inhalative</td>
<td>0.05 mg/m³ (workers) (systemic and local effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>0.52 mg/kg/24h (general public) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Dermal</td>
<td>2.08 mg/kg/24h (workers) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Inhalative</td>
<td>5.82 mg/m³ (workers) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Consumer</td>
<td>1.46 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether</td>
<td>115-10-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Type</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial, Consumer</td>
<td>Inhalative</td>
<td>1,894 mg/m³ (workers) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>471 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

### Short term effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenediphenyl diisocyanate</td>
<td>26447-40-5</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methylethyl)phosphate</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Type</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>20 mg/kg (general public) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Dermal</td>
<td>50 mg/kg (workers) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Dermal</td>
<td>28.7 mg/cm² (workers) (local effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Inhalative</td>
<td>0.1 mg/m³ (workers) (systemic and local effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Consumer</td>
<td>0.05 mg/m³ (general public) (systemic and local effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Dermal</td>
<td>8 mg/kg/24h (workers) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Consumer</td>
<td>4 mg/kg/24h (general public) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Inhalative</td>
<td>22.4 mg/m³ (workers) (systemic effects)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Consumer</td>
<td>11.2 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

### PNECs

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenediphenyl diisocyanate</td>
<td>26447-40-5</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methylethyl)phosphate</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Type</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>1 mg/L (fresh water)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>1 mg/L (sewage treatment plant)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>1 mg/L (soil)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>10 mg/L (sporadic release)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>0.1 mg/L (salt water)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>mg/kg dwt (sediment (salt water)) (exposure not expected)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>mg/kg dwt (sediment (fresh water)) (exposure not expected)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>0.64 mg/L (fresh water)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>0.064 mg/L (marine)</td>
</tr>
<tr>
<td>Industrial, Consumer</td>
<td>Oral</td>
<td>1.7 mg/kg dwt (soil)</td>
</tr>
</tbody>
</table>
Trade name: illbruck FM330

<table>
<thead>
<tr>
<th>CAS: 115-10-6 dimethyl ether</th>
<th>1.34 mg/kg dwt (sediment (salt water))</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNEC 0.155 mg/L (fresh water)</td>
<td>160 mg/L (sewage treatment plant)</td>
</tr>
<tr>
<td>1.549 mg/L (intermittent release)</td>
<td>0.016 mg/L (salt water)</td>
</tr>
<tr>
<td>PNEC 0.045 mg/kg (soil)</td>
<td>0.069 mg/kg (sediment (salt water))</td>
</tr>
</tbody>
</table>

- **Additional information:**
  The lists valid during the making were used as basis.
  HSE EH40/2005 Workplace Exposure Limits (as amended)

- **8.2 Exposure controls**
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    The usual precautionary measures are to be adhered to when handling chemicals.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
    Do not inhale gases / fumes / aerosols.
    Avoid contact with the eyes and skin.
  - **Respiratory protection:**
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
    This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
    For further guidance, please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".
  - **Protection of hands:**
    - **Material of gloves**
      Butyl rubber, BR
      Recommended thickness of the material: $\geq$ 0.7 mm
      Nitrile rubber, NBR
      Recommended thickness of the material: $\geq$ 0.4 mm
    - **Penetration time of glove material**
      For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).
      The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **Eye protection:**
    Tightly sealed goggles
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>Aerosol</td>
</tr>
<tr>
<td>Colour:</td>
<td>According to product specification</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>Not determined</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>Not applicable, as aerosol. Undetermined.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>-24 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>-82 °C</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</td>
</tr>
<tr>
<td>Lower:</td>
<td>3.0 Vol %</td>
</tr>
<tr>
<td>Upper:</td>
<td>18.6 Vol %</td>
</tr>
<tr>
<td>Vapour pressure at 20 °C:</td>
<td>5200 hPa</td>
</tr>
<tr>
<td>Density at 20 °C:</td>
<td>0.99 g/cm³</td>
</tr>
<tr>
<td>Relative density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water:</td>
<td>Immiscible / difficult to mix.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solvent content:</td>
<td></td>
</tr>
<tr>
<td>VOC (EU)</td>
<td>152.8 g/l</td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>15.40 %</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**
    No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity**
    Harmful if inhaled.
  - **LD/LC50 values relevant for classification:**
    
    | CAS: 26447-40-5 methylenediphenyl diisocyanate |   |
    | --- | --- |
    | Oral LD50 | >2,000 mg/kg (rat) |
    | Dermal LD50 | >9,400 mg/kg (rabbit) |
    | Inhalative LC50/1 h | 1.5 mg/L (rat) |

    | CAS: 9082-00-2 Ethoxylated/propoxylated glycerol |   |
    | --- | --- |
    | Oral LD50 | >500 mg/kg (rat) |
    | Dermal LD50 | >2,000 mg/kg (rabbit) |

    | CAS: 25791-96-2 Glycerol, propoxylated |   |
    | --- | --- |
    | Oral LD50 | 1,999 mg/kg (rat) |

    | tris(2-chloro-1-methylethyl)phosphate |   |
    | --- | --- |
    | Oral LD50 | 632 mg/kg (rat) |

- **Primary irritant effect:**
  - **Skin corrosion/irritation**
    Causes skin irritation.
  - **Serious eye damage/irritation**
    Causes serious eye irritation.
  - **Respiratory or skin sensitisation**
    May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
  - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity**
    Suspected of causing cancer.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure**
    May cause respiratory irritation.
SECTION 12: Ecological information

12.1 Toxicity

**Aquatic toxicity:**

CAS: 26447-40-5 methylenediphenyl diisocyanate

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Test Duration</th>
<th>Concentration (mg/L)</th>
<th>Species</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/96 h (static)</td>
<td>&gt;1,000</td>
<td>(brachydanio rerio)</td>
<td>(OESO 203)</td>
<td></td>
</tr>
<tr>
<td>EC50/24 h (static)</td>
<td>&gt;1,000</td>
<td>(daphnia magna)</td>
<td>(OESO 202)</td>
<td></td>
</tr>
<tr>
<td>EC50/72 h (static)</td>
<td>&gt;1,640</td>
<td>(scenedesmus subspicatus)</td>
<td>(OESO 201)</td>
<td></td>
</tr>
</tbody>
</table>

CAS: 9082-00-2 Ethoxylated/propoxylated glycerol

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Test Duration</th>
<th>Concentration (mg/L)</th>
<th>Species</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/48 h</td>
<td>&gt;100</td>
<td>(brachydanio rerio)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50/48 h</td>
<td>&gt;100</td>
<td>(daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50/72 h</td>
<td>&gt;1,000</td>
<td>(scenedesmus capricornutum)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

tris(2-chloro-1-methylethyl)phosphate

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Test Duration</th>
<th>Concentration (mg/L)</th>
<th>Species</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/96 h</td>
<td>51</td>
<td>(pimephales promelas)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
No further relevant information available.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

Ecotoxicological effects:

CAS: 26447-40-5 methylenediphenyl diisocyanate

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Test Duration</th>
<th>Concentration (mg/kg)</th>
<th>Species</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/14 d</td>
<td>&gt;1,000</td>
<td>(eisenia foetida)</td>
<td>(OESO 207)</td>
<td></td>
</tr>
<tr>
<td>NOEC/21 d</td>
<td>&gt;10</td>
<td>(daphnia magna)</td>
<td>(OESO 202)</td>
<td></td>
</tr>
<tr>
<td>NOEC/14 d</td>
<td>&gt;1,000</td>
<td>(avea sativa)</td>
<td>(OESO 208)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(lactuca sativa)</td>
<td>(OESO 208)</td>
<td></td>
</tr>
</tbody>
</table>

Other information:

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

16 05 05 | gases in pressure containers other than those mentioned in 16 05 04
Trade name: illbruck FM330

15 01 04 metallic packaging
HP 3 Flammable
HP 4 Irritant - skin irritation and eye damage
HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 6 Acute Toxicity
HP 7 Carcinogenic
HP 13 Sensitising

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA UN1950

14.2 UN proper shipping name
ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR

Class 2 5F Gases.
Label 2.1

IMDG, IATA

Class 2.1
Label 2.1

14.4 Packing group
ADR, IMDG, IATA Void

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user
Warning: Gases.
Danger code (Kemler): -
EMS Number: F-D,S-U
Stowage Code SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a
48.1.16 · capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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

- Not applicable.

Transport/Additional information:

- ADR
- Limited quantities (LQ): 1L
- Excepted quantities (EQ): Code: E0 Not permitted as Excepted Quantity
- Transport category: 2
- Tunnel restriction code: D

- IMDG
- Limited quantities (LQ): 1L
- Excepted quantities (EQ): Code: E0 Not permitted as Excepted Quantity

- UN "Model Regulation":
  - UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  HSE EH40/2005 Workplace Exposure Limits (as amended)
- Directive 2012/18/EU
- Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 56

- National regulations:
- Information about limitation of use:
  Employment restrictions concerning juveniles must be observed.
  Employment restrictions concerning pregnant and lactating women must be observed.

(Contd. on page 12)
SECTION 16: Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases
H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

· Department issuing SDS:
Prepared and verified in accordance with "REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.

· Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

· Data compared to the previous version altered.