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

· 1.1 Product identifier
  · Trade name: illbruck FM610
  · MSDS code: A-I-FM610

· 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.
    Vlietskade 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.
Trade name: illbruck FM610

- Hazard pictograms
  
  GHS02  GHS07  GHS08

- Signal word Danger

- Contains:
  diphenylmethanediisocyanate, isomers and homologues

- 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>CAS: 9016-87-9</th>
<th>diphenylmethanediisocyanate, isomers and homologues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resp. Sens. 1,</td>
<td>30-%50%</td>
</tr>
<tr>
<td>H334; Carc. 2,</td>
<td></td>
</tr>
<tr>
<td>H351; STOT RE 2,</td>
<td></td>
</tr>
<tr>
<td>H373; Acute Tox. 4,</td>
<td></td>
</tr>
<tr>
<td>H332; Skin Irrit. 2,</td>
<td></td>
</tr>
<tr>
<td>H315; Eye Irrit. 2,</td>
<td></td>
</tr>
<tr>
<td>H319; Skin Sens. 1,</td>
<td></td>
</tr>
<tr>
<td>H317; STOT SE 3,</td>
<td></td>
</tr>
<tr>
<td>H335</td>
<td></td>
</tr>
<tr>
<td>EC number: 911-815-4</td>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119486772-26-xxxx</td>
<td>Acute Tox. 4' H302</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS: 115-10-6</td>
<td>dimethyl ether</td>
</tr>
<tr>
<td>EINECS: 204-065-8</td>
<td>Flam. Gas 1, H220, Press. Gas (Comp.), H280</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119472128-37-xxxx</td>
<td></td>
</tr>
</tbody>
</table>
Trade name: illbruck FM610

| CAS: 25791-96-2 | Glycerol, propoxylated | Acute Tox. 4, H302 | 5–10% |
| NLP: 500-044-5 |

| CAS: 9082-00-2 | Ethoxylated/propoxylated glycerol | Acute Tox. 4, H302 | 5–10% |
| CAS: 75-28-5 | EINECS: 200-857-2 | Reg.nr.: 01-2119485395-27-xxxx | isobutane | Flam. Gas 1, H220; Press. Gas (Comp.), H280 | 5–10% |

| CAS: 74-98-6 | EINECS: 200-827-9 | Reg.nr.: 01-2119486944-21-xxxx | propane | Flam. Gas 1, H220; Press. Gas (Comp.), H280 | 1–5% |

· SVHC ·
· Additional information:
  For the wording of the listed hazard phrases refer to section 16.
  While curing the following substances are formed and released by a reaction with atmospheric humidity:
  Carbon dioxide (CO2)

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)

(Contd. on page 4)
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: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues |
| WEL | Short-term value: 0.07 mg/m³ |
|     | Long-term value: 0.02 mg/m³ |
| Sen; as -NCO |
Trade name: illbruck FM610

---

### CAS: 115-10-6 dimethyl ether

<table>
<thead>
<tr>
<th>WEL</th>
<th>Short-term value: 958 mg/m³, 500 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Long-term value: 766 mg/m³, 400 ppm</td>
</tr>
</tbody>
</table>

**· DNELs**

**· Long term effects**

**CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues**

<table>
<thead>
<tr>
<th>Mode of Exposure</th>
<th>Industrial</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalative</td>
<td>0.05 mg/m³ (workers) (systemic and local effects)</td>
<td>0.025 mg/m³ (general public) (systemic and local effects)</td>
</tr>
</tbody>
</table>

**tris(2-chloro-1-methylethyl)phosphate**

<table>
<thead>
<tr>
<th>Mode of Exposure</th>
<th>Industrial</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>0.52 mg/kg/24h (general public) (systemic effects)</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>2.08 mg/kg/24h (workers) (systemic effects)</td>
<td>1.04 mg/kg/24h (general public) (systemic effects)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>5.82 mg/m³ (workers) (systemic effects)</td>
<td>1.46 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

**CAS: 115-10-6 dimethyl ether**

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

**· Short term effects**

**CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues**

<table>
<thead>
<tr>
<th>Mode of Exposure</th>
<th>Industrial</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>50 mg/kg/24h (workers) (systemic and local effects)</td>
<td></td>
</tr>
<tr>
<td>Inhalative</td>
<td>0.1 mg/m³ (workers) (systemic and local effects)</td>
<td>0.05 mg/m³ (general public) (local effects)</td>
</tr>
</tbody>
</table>

**tris(2-chloro-1-methylethyl)phosphate**

<table>
<thead>
<tr>
<th>Mode of Exposure</th>
<th>Industrial</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>8 mg/kg/24h (workers) (systemic effects)</td>
<td>4 mg/kg/24h (general public) (systemic effects)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>22.4 mg/m³ (workers) (systemic effects)</td>
<td>11.2 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

**· PNECs**

**tris(2-chloro-1-methylethyl)phosphate**

<table>
<thead>
<tr>
<th>PNEC</th>
<th>(fresh water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.64 mg/L</td>
<td>(fresh water)</td>
</tr>
<tr>
<td>0.064 mg/L</td>
<td>(marine)</td>
</tr>
<tr>
<td>1.7 mg/kg dwt</td>
<td>(soil)</td>
</tr>
<tr>
<td>1.34 mg/kg dwt</td>
<td>(sediment (salt water))</td>
</tr>
</tbody>
</table>

**CAS: 115-10-6 dimethyl ether**

<table>
<thead>
<tr>
<th>PNEC</th>
<th>(fresh water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.155 mg/L</td>
<td>(fresh water)</td>
</tr>
<tr>
<td>160 mg/L</td>
<td>(sewage treatment plant)</td>
</tr>
<tr>
<td>1.549 mg/L</td>
<td>(intermittent release)</td>
</tr>
<tr>
<td>0.016 mg/L</td>
<td>(salt water)</td>
</tr>
<tr>
<td>0.045 mg/kg</td>
<td>(soil)</td>
</tr>
<tr>
<td>0.069 mg/kg</td>
<td>(sediment (salt water))</td>
</tr>
</tbody>
</table>
· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
  - Do not inhale gases / fumes / aerosols.

· **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:**

  - **Protective gloves**
    - **Material of gloves**
      - Nitrile rubber, NBR
      - Butyl rubber, BR
    - Recommended thickness of the material: ≥ 0.4 mm
    - Recommended thickness of the material: ≥ 0.7 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).

· **Eye protection:**

  - **Tightly sealed goggles**

· **Body protection:**

  - **Protective work clothing**

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**
  - **Form:** Aerosol
  - **Colour:** According to product specification
  - **Odour:** Characteristic
## Trade name: illbruck FM610

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<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>· Flash point</td>
<td>-97 °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>· Explosion properties</td>
<td>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</td>
</tr>
<tr>
<td>· Flash point</td>
<td>-97 °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>· Explosion limits</td>
<td></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>0.98 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></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>200.5 g/l</td>
</tr>
<tr>
<td>· VOC (EC)</td>
<td>20.50 %</td>
</tr>
<tr>
<td>· 9.2 Other information</td>
<td>No further relevant information available.</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:

<table>
<thead>
<tr>
<th>CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>Inhalative</td>
</tr>
</tbody>
</table>

tris(2-chloro-1-methylethyl)phosphate

<table>
<thead>
<tr>
<th>CAS: 115-10-6 dimethyl ether</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalative</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 25791-96-2 Glycerol, propoxylated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 9082-00-2 Ethoxylated/propoxylated glycerol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
</tbody>
</table>

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.
  - STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
  - Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

- Aquatic toxicity:

<table>
<thead>
<tr>
<th>CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC0/96 h</td>
</tr>
<tr>
<td>EC50/24 h</td>
</tr>
</tbody>
</table>
tris(2-chloro-1-methylethyl)phosphate
LC50/96 h 51 mg/L (pimephales promelas)

CAS: 9082-00-2 Ethoxylated/propoxylated glycerol
LC50/48 h >100 mg/L (brachydanio rerio)
EC50/48 h >100 mg/L (daphnia magna)
EC50/72 h >1,000 mg/L (scenedesmus capricornutum)

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.

12.5 Ecotoxicological effects:
CAS: 9016-87-9 diphenylmethane diisocyanate, isomers and homologues
NOEC/21 d >10 mg/L (daphnia magna)

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
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 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
  - 1950 AEROSOLS
- **IMDG**
  - AEROSOLS
- **IATA**
  - AEROSOLS, flammable

### 14.3 Transport hazard class(es)
- **ADR**
  - **Class** 2 5F Gases.
  - **Label** 2.1

### 14.4 Packing group
- **ADR, IMDG, IATA**
  - **Class**
  - **Label** 2.1

### 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 capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- **Segregation Code**: 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.**
### 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)
- 2001/118/EC as regards the list of wastes
- 2008/98/EC on waste

- 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

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

- Other regulations, limitations and prohibitive regulations
  - Substances of very high concern (SVHC) according to REACH, Article 57 Not applicable.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 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.

(Contd. on page 12)
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.

· **Previous Revision Date:** 17-01-2011 (UK)

**Abbreviations and acronyms:**
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- 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)
- LD50: Lethal concentration, 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.