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

1.1 Product identifier
- Trade name: K-FLEX K-414

1.2 Relevant identified uses of the substance or mixture and uses advised against
- Product category: PC1 Adhesives, sealants
- Application of the substance / the mixture: Adhesives

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: L'Isolante K-FLEX S.p.A.
  via Don Locatelli, 35 20877 Roncello (MB) ITALY
  Tel. +39 039 6824.1
  e-mail: Kflex-Reach@isolante.com

1.4 Emergency telephone number:
  Tel. +39 039 6824.1 (9.00-17.00)
  ITALIA Centro Antiveneni Ospedale Niguarda "Ca' Granda" MILANO tel. 02/66101029; Fondazione Maugeri - Clinica del lavoro e della Riabilitazione PAVIA tel. 0382/24444; Centro Documentazione Tossicologica - Università degli Studi PADOVA tel. 049/8275078; Centro Antiveleoni Istituto Scientifico "G. Gaslini" GENOVA tel. 010/5636245; Centro Antiveleoni Azienda Ospedaliera "Careggi" FIRENZE tel. 055/4277328; Centro Antiveleoni "Policlinico Gemelli" ROMA tel. 06/3054343; Centro Antiveleoni Università degli Studi di Roma "La Sapienza" ROMA tel. 06/49970698; Centro Antiveleoni Azienda Ospedaliera A. Cardarelli" NAPOLI tel. 081/7472870; Centro antiveleoni Azienda Ospedaliera Universitaria FOGGIA tel. 0881/731111
  AUSTRIA Vergiftunginformationszentrale +43 1 406 43 43
  BELGIUM Centre Antipoisons-Antigifcentrum +32 3024 5245
  BULGARIA National Toxicology Centre at National Clinical Toxicology Centre +359 2 9154 233
  CROATIA Poison Control Centre Zagreb +385 1 2348342
  CECH REPUBLIC Toxicological Information Centre + 42024919 293
  DENMARK Poison Information Centre n +45 82 12 12 12
  ESTONIA Estonian Poison Information centre +372 626 93 90
  FINLAND Finnish Poison Information Centre +358 9 471977
  FRANCE Centre Antipoison et de Toxicovigilance de Angers +33 2 41 35 33 30
  HUNGARY Health Toxicology Information Service +36 80 20 11 99
  IRELAND Poison Information Centre of Ireland +353 1 809 2166
  LATVIA Valsts Toksikologijas centres + 371 67042473
  LITHUANIA Lithuania Poison Control and Information Bureau +370 5 236 20 52
  NORGE Giftinformasjonen : 22 59 13 00 (døgnåpen)
  PORTUGAL CIAV Centro de Informacao Antivelenos +351 808 250 143
  SLOVAKIA National Toxicological Information Center +421 2 54 774 166
  POLAND Informacja toksykologiczna w Polsce +48 42 631 47 24 (czynna 7:00-15:00)
  SPAIN Istituto Nacional de Toxicología +34 156 20420

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  - GHS02 flame
    - Flam. Liq. 2 H225 Highly flammable liquid and vapour.
  - GHS09 environment
    - Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
Trade name: K-FLEX K-414

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
  - The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**
    - GHS02
    - GHS07
    - GHS09

- **Signal word** Danger

  - **Hazard-determining components of labelling:**
    - Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics < 5% n-hexane (REACH Registered Name)

  - **Hazard statements**
    - H225 Highly flammable liquid and vapour.
    - H315 Causes skin irritation.
    - H319 Causes serious eye irritation.
    - H336 May cause drowsiness or dizziness.
    - H411 Toxic to aquatic life with long lasting effects.

  - **Precautionary statements**
    - P233 Keep container tightly closed.
    - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
    - P280 Wear protective gloves/protective clothing/eye protection/face protection.
    - P303+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    - P304+P340 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
    - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    - P304 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
    - P302+P352 IF ON SKIN: Rinse with plenty of water for several minutes.
    - P403+P233 Store in a well-ventilated place. Keep container tightly closed.
    - P405 Store locked up.
    - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
  - Contains Rosin. 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 Chemical characterisation: Mixtures**
  - **Description:** Mixture of substances listed below with nonhazardous additions.
**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** 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, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents**
  - Water
  - Water with full jet

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
5.3 Advice for firefighters
- Protective equipment: No special measures required.

6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
- Prevent seepage into sewage system, workpits and cellars.
- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.

7.1 Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles:
    - Store outdoors.
    - Store the product in well aerated local at a temperature between 5 and 35°C. Avoid temperature up 40°C and below 5°C because the product could freeze and coagulate becoming unusable.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    - Keep receptacle tightly sealed.
    - Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s)
- No further relevant information available.

8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>WEL Short-term value</th>
<th>WEL Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6 Ethyl acetate</td>
<td>400 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td>67-64-1 Acetone</td>
<td>3620 mg/m³, 1500 ppm</td>
<td>1210 mg/m³, 500 ppm</td>
</tr>
<tr>
<td>8050-09-7 Rosin</td>
<td>0.15 mg/m³</td>
<td>0.05 mg/m³</td>
</tr>
</tbody>
</table>

(Contd. on page 5)
### 1330-20-7 xylene (mix)

<table>
<thead>
<tr>
<th>WEL</th>
<th>Short-term value: 441 mg/m³, 100 ppm</th>
<th>Long-term value: 220 mg/m³, 50 ppm</th>
<th>Sk; BMGV</th>
</tr>
</thead>
</table>

### 100-41-4 ethylbenzene

<table>
<thead>
<tr>
<th>WEL</th>
<th>Short-term value: 552 mg/m³, 125 ppm</th>
<th>Long-term value: 441 mg/m³, 100 ppm</th>
<th>Sk</th>
</tr>
</thead>
</table>

### DNELs

**141-78-6 Ethyl acetate**

<table>
<thead>
<tr>
<th>Dermal</th>
<th>Long term-Systemic effect: 63 mg/kg (workers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalative</td>
<td>Long term-Systemic effect: 1,468 mg/m³ (workers)</td>
</tr>
<tr>
<td>Long term-Local effect: 1,468 mg/m³ (workers)</td>
<td></td>
</tr>
</tbody>
</table>

**67-64-1 Acetone**

<table>
<thead>
<tr>
<th>Dermal</th>
<th>Long term-Systemic effect: 186 mg/kg (workers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalative</td>
<td>Long term-Local effect: 2,420 mg/m³ (workers)</td>
</tr>
</tbody>
</table>

**64742-49-0 Naphtha (petroleum), hydrotreated light; hydrocarbons C6 isoalkanes < 5% n-hexane**

(REACH Registered Name)

<table>
<thead>
<tr>
<th>Dermal</th>
<th>Long term-Systemic effect: 13,964 mg/kg (workers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalative</td>
<td>Long term-Local effect: 5,306 mg/m³ (workers)</td>
</tr>
</tbody>
</table>

### PNECs

**141-78-6 Ethyl acetate**

<table>
<thead>
<tr>
<th>fresh water</th>
<th>0.26 mg/l (frs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>marine water</td>
<td>26 mg/l (mar)</td>
</tr>
<tr>
<td>Intermittent release</td>
<td>650 mg/l (water)</td>
</tr>
</tbody>
</table>

**67-64-1 Acetone**

<table>
<thead>
<tr>
<th>fresh water</th>
<th>10.6 mg/l (water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>marine water</td>
<td>1.06 mg/l (water)</td>
</tr>
<tr>
<td>Intermittent release</td>
<td>21 mg/l (water)</td>
</tr>
<tr>
<td>sediment-marine water</td>
<td>3.04 mg/l (water)</td>
</tr>
<tr>
<td>sediment-fresh water</td>
<td>30.4 mg/l (water)</td>
</tr>
<tr>
<td>sewage treatment plant</td>
<td>100 mg/l (water)</td>
</tr>
<tr>
<td>Soil</td>
<td>29.5 mg/kg (soil)</td>
</tr>
</tbody>
</table>

### Ingredients with biological limit values:

**1330-20-7 xylene (mix)**

<table>
<thead>
<tr>
<th>BMGV</th>
<th>650 mmol/mol creatinine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Sampling time: post shift</td>
<td></td>
</tr>
<tr>
<td>Parameter: methyl hippuric acid</td>
<td></td>
</tr>
</tbody>
</table>

### Additional information:

**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.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Filter A/P2
- **Protection of hands:**
  - Protective gloves
  - Rubber gloves
  - **Material of gloves:** Butyl rubber, BR
  - **Penetration time of glove material**
    For the mixture of chemicals mentioned below the penetration time has to be at least 240 minutes (Permeation according to EN 374 Part 3: Level 5).
    The exact breakthrough 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**
  - **General Information**
    - **Appearance:**
      - *Form:* Fluid
      - *Colour:* Orange
    - **Odour:** Characteristic
    - **Odour threshold:** Not determined.
    - **pH-value:** Not determined.
  - **Change in condition**
    - **Melting point/freezing point:** Undetermined.
    - **Initial boiling point and boiling range:** 36 °C
  - **Flash point:** -20 °C
  - **Flammability (solid, gas):** Not applicable.
  - **Ignition temperature:** >200 °C
  - **Decomposition temperature:** Not determined.
  - **Auto-ignition temperature:** Product is not selfigniting.
  - **Explosive properties:**
    - Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
  - **Explosion limits:**
    - **Lower:** 1.2 Vol %
    - **Upper:** 13 Vol %
  - **Vapour pressure at 20 °C:** 233 hPa
  - **Density at 20 °C:** 0.85 g/cm³
  - **Relative density** Not determined.
  - **Vapour density** Not determined.
  - **Evaporation rate** Not determined.
47.0.1  
· Solubility in / Miscibility with water: Soluble.
· Partition coefficient: n-octanol/water: Not determined.
· Viscosity:  
  Dynamic at 20 °C: 700 mPas  
  Kinematic: Not determined.
· Solvent content:  
  Organic solvents: 78.0 %  
  VOC (EU): 663.0 g/l
· Solids content: 22.0 %  
· 9.2 Other information  
  No further relevant information available.

*SECTION 10: Stability and reactivity*

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

*SECTION 11: Toxicological information*

· 11.1 Information on toxicological effects
· Acute toxicity  
  Based on available data, the classification criteria are not met.
· LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50</th>
<th>Oral LC50/4 h</th>
<th>Inhalative LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6 Ethyl acetate</td>
<td>4,935 mg/kg (rabbit)</td>
<td>1,600 mg/l (rat)</td>
<td></td>
</tr>
<tr>
<td>67-64-1 Acetone</td>
<td>5,800 mg/kg (rat)</td>
<td>20,000 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>128-37-0 Butylated hydroxytoluene</td>
<td>890 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7 xylene (mix)</td>
<td>8,700 mg/kg (rat)</td>
<td>6,350 mg/l (rat)</td>
<td></td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>3,500 mg/kg (rat)</td>
<td>17,800 mg/kg (rabbit)</td>
<td></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  
  Based on available data, the classification criteria are not met.
SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50/48h (μg/l daphnia magna)</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6 Ethyl acetate</td>
<td>165,000</td>
</tr>
<tr>
<td>67-64-1 Acetone</td>
<td>8,800,000</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>LogPow</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6 Ethyl acetate</td>
<td>30</td>
</tr>
<tr>
<td>64742-49-0 Naphtha (petroleum), hydrotreated light; hydrocarbons C6 isoalkanes &lt; 5% n-hexane (REACH Registered Name)</td>
<td>3.6</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes:
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.
### SECTION 14: Transport information

<table>
<thead>
<tr>
<th><strong>14.1 UN-Number</strong></th>
<th>UN1133</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS ADHESIVES (Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics &lt; 5% n-hexane (REACH Registered Name), HEXANES), MARINE POLLUTANT ADHESIVES</td>
</tr>
<tr>
<td><strong>IMDG</strong></td>
<td></td>
</tr>
<tr>
<td><strong>IATA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>14.2 UN proper shipping name</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>ADHESIVES</td>
</tr>
<tr>
<td><strong>IMDG</strong></td>
<td>ADHESIVES (Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics &lt; 5% n-hexane (REACH Registered Name), HEXANES), MARINE POLLUTANT ADHESIVES</td>
</tr>
<tr>
<td><strong>IATA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>14.3 Transport hazard class(es)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR, IMDG</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Class 3 Flammable liquids.</td>
</tr>
<tr>
<td></td>
<td>Label 3</td>
</tr>
<tr>
<td><strong>IATA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>14.4 Packing group</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td>III</td>
</tr>
<tr>
<td><strong>14.5 Environmental hazards:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Product contains environmentally hazardous substances:</strong> Butylated hydroxytoluene, Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics &lt; 5% n-hexane (REACH Registered Name)</td>
<td></td>
</tr>
<tr>
<td><strong>Marine pollutant:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Special marking (ADR):</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Symbol (fish and tree)</td>
</tr>
<tr>
<td><strong>14.6 Special precautions for user</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Warning:</strong> Flammable liquids.</td>
<td></td>
</tr>
<tr>
<td><strong>Danger code (Kemler):</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>EMS Number:</strong></td>
<td>F-E,S-D</td>
</tr>
<tr>
<td><strong>Stowage Category:</strong></td>
<td>A</td>
</tr>
<tr>
<td><strong>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Not applicable.</strong></td>
<td></td>
</tr>
</tbody>
</table>

| **Transport/Additional information:** |
| **ADR** |
| **Limited quantities (LQ):** | 5L |
| **Code:** | E1 |
| Maximum net quantity per inner packaging: | 30 ml |
| Maximum net quantity per outer packaging: | 1000 ml |
| **Excepted quantities (EQ):** |
| **Transport category:** | 3 |
| **Tunnel restriction code:** | E |

(Contd. on page 10)
**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - Seveso category
    E2 Hazardous to the Aquatic Environment
    P5c FLAMMABLE LIQUIDS
  - Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
  - Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40

- **National regulations:**

- **Technical instructions (air):**

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NK</td>
<td>78.0</td>
</tr>
</tbody>
</table>

- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

- **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**
  - H225 Highly flammable liquid and vapour.
  - H226 Flammable liquid and vapour.
  - H302 Harmful if swallowed.
  - 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.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
  - H336 May cause drowsiness or dizziness.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - 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.

- **Department issuing SDS:** R&D Dept.

- **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

(Contd. on page 11)
| 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) |
| DNEL: Derived No-Effect Level (REACH) |
| PNEC: Predicted No-Effect Concentration (REACH) |
| LC50: Lethal concentration, 50 percent |
| LD50: Lethal dose, 50 percent |
| PBT: Persistent, Bioaccumulative and Toxic |
| vPvB: very Persistent and very Bioaccumulative |
| Flam. Liq. 2: Flammable liquids – Category 2 |
| Flam. Liq. 3: Flammable liquids – Category 3 |
| 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 |
| Skin Sens. 1: Skin sensitisation – Category 1 |
| STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 |
| STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 |
| Asp. Tox. 1: Aspiration hazard – Category 1 |
| Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 |
| Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 |
| Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 |

* Data compared to the previous version altered.