

## Adhesive Remover

## 1. Identification of the substance/preparation and of the company/undertaking

## 1.1 Identification of the substance or preparation:

Product name : Adhesive Remover

## 1.2 Use of the substance/preparation:

Glue remover

## 1.3 Company/undertaking identification:

SODAL N.V.  
Everdongenlaan 18-20  
B-2300 Turnhout  
Tel: +32 14 42 42 31  
Fax: +32 14 44 39 71  
e-mail address: msds@soudal.com

## 1.4 Emergency telephone:

+32 14 58 45 45 (24/24 h)  
Brandweerinformatiecentrum voor Gevaarlijke Stoffen (BIG)  
Technische Schoolstraat 43 A, B-2440 Geel, Belgium

## 2. Hazards identification

- Extremely flammable
- Irritating to eyes and skin
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Vapours may cause drowsiness and dizziness
- Aerosol may explode under the effect of heat

## 3. Composition/information on ingredients

| Hazardous ingredients                                                  | CAS No.<br>EINECS/ELINCS No. | Conc. (%) | Hazards<br>(R-phrases)                                                | Hazard<br>symbol |
|------------------------------------------------------------------------|------------------------------|-----------|-----------------------------------------------------------------------|------------------|
| acetone                                                                | 67-64-1<br>200-662-2         | >20       | 11-36-66-67 (1)(2)                                                    | F;Xi             |
| low boiling point hydrogen<br>treated naphtha<br>(conc benzene < 0.1%) | 64742-49-0<br>265-151-9      | 1 - <25   | 11-38-51/53-65-67 (1)<br>(Labelling in<br>compliance with<br>CONCAWE) | F;Xn;N           |
| heptane                                                                | 142-82-5<br>205-563-8        | 1 - <20   | 11-38-50/53-65-67<br>(1)(2)                                           | F;Xn;N           |
| ethyl acetate                                                          | 141-78-6<br>205-500-4        | >20       | 11-36-66-67 (1)(2)                                                    | F;Xi             |
| propane                                                                | 74-98-6<br>200-827-9         | 1 - <20   | 12 (1)(2)                                                             | F+               |
| butane                                                                 | 106-97-8<br>203-448-7        | 1 - <20   | 12 (1)(2)                                                             | F+               |

(1) For R-phrases in full: see heading 16

(2) Substance with a Community workplace exposure limit

(3) PBT-substance

Printing date : 18-3-2009  
Compiled by : Brandweerinformatiecentrum voor Gevaarlijke Stoffen vzw (BIG)  
Technische Schoolstraat 43 A, B-2440 Geel  
☎ +32 14 58 45 47 http://www.big.be e-mail address: info@big.be

1/10

Date of issue : 10-02-2009  
Reference number : BIG\47925GB  
Reason for revision : -  
Revision : -  
Revision number : 000

# Adhesive Remover

## 4. First aid measures

- 4.1 After inhalation:**
- Remove the victim into fresh air
  - Respiratory difficulties: consult a doctor/medical service
- 4.2 Skin contact:**
- Rinse immediately with plenty of water
  - Soap may be used
  - Take victim to a doctor if irritation persists
- 4.3 Eye contact:**
- Rinse immediately with plenty of water
  - Do not apply neutralizing agents
  - Take victim to an ophthalmologist if irritation persists
- 4.4 After ingestion:**
- Rinse mouth with water
  - Do not induce vomiting
  - If you feel unwell: consult a doctor/medical service

## 5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Water spray
  - Polyvalent foam
  - BC powder
  - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- No data available
- 5.3 Special exposure hazards:**
- Gas/vapour spreads at floor level: ignition hazard
  - Gas/vapour flammable with air within explosion limits
  - Upon combustion CO and CO<sub>2</sub> are formed
- 5.4 Instructions:**
- Cool closed containers with water if they are exposed to the fire
  - Take account of environmentally hazardous fire-fighting water
  - Use fire-fighting water moderately and contain it
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
  - Protective clothing

## 6. Accidental release measures

- 6.1 Personal precautions:**
- See heading 8.2
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
  - Dam up the liquid spill
  - See heading 13
- 6.3 Methods for cleaning up:**
- Liquid spill: take up into absorbent material
  - Shovel absorbed substance in closing drums
  - Carefully collect the spill/leftovers
  - Clean contaminated surfaces with an excess of water
  - Take collected spill to manufacturer/competent authority
  - Wash clothing and equipment after handling

# Adhesive Remover

## 7. Handling and storage

### 7.1 Handling:

- Observe normal hygiene standards
- Use spark-/explosionproof appliances and lighting system
- Remove contaminated clothing immediately
- Clean contaminated clothing
- Use only in well-ventilated areas

### 7.2 Storage:

- Keep out of direct sunlight
- Ventilation at floor level
- Fireproof storeroom
- Keep away from: heat sources, ignition sources

Storage temperature : < 50 °C  
Quantity limit : N.D. kg  
Storage life : 365 days  
Materials for packaging :

- suitable : aerosol dispenser

### 7.3 Specific use(s):

- See information supplied by the manufacturer for the identified use(s)

## 8. Exposure controls/Personal protection

### 8.1 Exposure limit values:

#### 8.1.1 Occupational exposure:

ACETONE:

|                   |   |                   |             |     |
|-------------------|---|-------------------|-------------|-----|
| TLV-TWA           | : | mg/m <sup>3</sup> | 500         | ppm |
| TLV-STEL          | : | mg/m <sup>3</sup> | 750         | ppm |
| WEL-LTEL          | : | mg/m <sup>3</sup> | 500         | ppm |
| WEL-STEL          | : | mg/m <sup>3</sup> | 1500        | ppm |
| TRGS 900          | : | mg/m <sup>3</sup> | 500         | ppm |
| MAK               | : | mg/m <sup>3</sup> | 500         | ppm |
| GWBNL-TGG 8 h     | : | mg/m <sup>3</sup> | (wettelijk) |     |
| GWKNL-TGG 15 min. | : | mg/m <sup>3</sup> |             |     |
| VME-8 h           | : | mg/m <sup>3</sup> | 500         | ppm |
| VLE-15 min.       | : | mg/m <sup>3</sup> | 1000        | ppm |
| GWBB-8 h          | : | mg/m <sup>3</sup> | 500         | ppm |
| GWK-15 min.       | : | mg/m <sup>3</sup> | 1000        | ppm |
| EC                | : | mg/m <sup>3</sup> | 500         | ppm |
| EC-STEL           | : | mg/m <sup>3</sup> | -           | ppm |

## Adhesive Remover

### HEPTANE:

|                   |   |      |                   |             |     |
|-------------------|---|------|-------------------|-------------|-----|
| TLV-TWA           | : |      | mg/m <sup>3</sup> | 400         | ppm |
| TLV-STEL          | : |      | mg/m <sup>3</sup> | 500         | ppm |
| WEL-LTEL          | : | -    | mg/m <sup>3</sup> | 500         | ppm |
| WEL-STEL          | : | -    | mg/m <sup>3</sup> | -           | ppm |
| TRGS 900          | : | 2100 | mg/m <sup>3</sup> | 500         | ppm |
| MAK               | : | 2100 | mg/m <sup>3</sup> | 500         | ppm |
| GWBNL-TGG 8 h     | : | 1200 | mg/m <sup>3</sup> | (wettelijk) |     |
| GWKNL-TGG 15 min. | : | 1600 | mg/m <sup>3</sup> |             |     |
| VME-8 h           | : | 1668 | mg/m <sup>3</sup> | 400         | ppm |
| VLE-15 min.       | : | 2085 | mg/m <sup>3</sup> | 500         | ppm |
| GWBB-8 h          | : | 1664 | mg/m <sup>3</sup> | 400         | ppm |
| GWK-15 min.       | : | 2085 | mg/m <sup>3</sup> | 500         | ppm |
| EC                | : | 2085 | mg/m <sup>3</sup> | 500         | ppm |
| EC-STEL           | : | -    | mg/m <sup>3</sup> | -           | ppm |

### ETHYL ACETATE:

|                   |   |      |                   |              |     |
|-------------------|---|------|-------------------|--------------|-----|
| TLV-TWA           | : |      | mg/m <sup>3</sup> | 400          | ppm |
| TLV-STEL          | : |      | mg/m <sup>3</sup> | -            | ppm |
| WEL-LTEL          | : | -    | mg/m <sup>3</sup> | 200          | ppm |
| WEL-STEL          | : | -    | mg/m <sup>3</sup> | 400          | ppm |
| TRGS 900          | : | 1500 | mg/m <sup>3</sup> | 400          | ppm |
| MAK               | : | 1500 | mg/m <sup>3</sup> | 400          | ppm |
| GWBNL-TGG 8 h     | : | 550  | mg/m <sup>3</sup> | (indicatief) |     |
| GWKNL-TGG 15 min. | : | 1100 | mg/m <sup>3</sup> |              |     |
| VME-8 h           | : | 1400 | mg/m <sup>3</sup> | 400          | ppm |
| VLE-15 min.       | : | -    | mg/m <sup>3</sup> | -            | ppm |
| GWBB-8 h          | : | 1461 | mg/m <sup>3</sup> | 400          | ppm |
| GWK-15 min.       | : | -    | mg/m <sup>3</sup> | -            | ppm |

### PROPANE:

|               |   |      |                   |              |     |
|---------------|---|------|-------------------|--------------|-----|
| TLV-TWA       | : |      | mg/m <sup>3</sup> | 1000         | ppm |
| TLV-STEL      | : |      | mg/m <sup>3</sup> | -            | ppm |
| TRGS 900      | : | 1800 | mg/m <sup>3</sup> | 1000         | ppm |
| MAK           | : | 1800 | mg/m <sup>3</sup> | 1000         | ppm |
| GWBNL-TGG 8 h | : |      | mg/m <sup>3</sup> | (indicatief) |     |
| GWBB-8 h      | : | -    | mg/m <sup>3</sup> | 1000         | ppm |
| GWK-15 min.   | : | -    | mg/m <sup>3</sup> | -            | ppm |

### BUTANE:

|               |   |      |                   |              |     |
|---------------|---|------|-------------------|--------------|-----|
| TLV-TWA       | : |      | mg/m <sup>3</sup> | 1000         | ppm |
| TLV-STEL      | : |      | mg/m <sup>3</sup> | -            | ppm |
| WEL-LTEL      | : | 1450 | mg/m <sup>3</sup> | 600          | ppm |
| WEL-STEL      | : | 1810 | mg/m <sup>3</sup> | 750          | ppm |
| TRGS 900      | : | 2400 | mg/m <sup>3</sup> | 1000         | ppm |
| MAK           | : | 2400 | mg/m <sup>3</sup> | 1000         | ppm |
| GWBNL-TGG 8 h | : | 1430 | mg/m <sup>3</sup> | (indicatief) |     |
| VME-8 h       | : | 1900 | mg/m <sup>3</sup> | 800          | ppm |
| VLE-15 min.   | : | -    | mg/m <sup>3</sup> | -            | ppm |
| GWBB-8 h      | : | -    | mg/m <sup>3</sup> | 1000         | ppm |
| GWK-15 min.   | : | -    | mg/m <sup>3</sup> | -            | ppm |

# Adhesive Remover

## 8.1.2 Sampling methods:

|                                            |            |
|--------------------------------------------|------------|
| - Petroleum Distillate (Naphthas)          | NIOSH 1550 |
| - Petroleum Distillates fractions          | OSHA 48    |
| - Acetone (ketones 1)                      | NIOSH 1300 |
| - Acetone                                  | OSHA 69    |
| - n-Heptane (Hydrocarbons, BP 26 to 126 C) | NIOSH 1500 |
| - n-Heptane                                | OSHA 7     |
| - Ethyl Acetate                            | NIOSH 1457 |
| - Ethyl Acetate                            | OSHA 7     |
| - Propane                                  | OSHA CSI   |
| - Butane                                   | OSHA CSI   |

## 8.2 Exposure controls:

### 8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly

#### Personal protective equipment:

##### a) Respiratory protection:

- Gas mask with filter type AX at conc. in air > exposure limit

##### b) Hand protection:

- Gloves

##### c) Eye protection:

- Protective goggles

##### d) Skin protection:

- Head/neck protection
- Protective clothing

### 8.2.2 Environmental exposure controls: see heading 6.2, 6.3 and 13

## 9. Physical and chemical properties

### 9.1 General information:

|                      |                      |
|----------------------|----------------------|
| Appearance (at 20°C) | : Aerosol            |
| Odour                | : Characteristic     |
| Colour               | : Variable in colour |

### 9.2 Important health, safety and environmental information:

|                                         |                                           |          |
|-----------------------------------------|-------------------------------------------|----------|
| pH value (at 20°C)                      | : N.D.                                    |          |
| Boiling point/boiling range             | : N.D.                                    | °C       |
| Flashpoint/flammability                 | : Contains extremely flammable components |          |
| Explosion limits (explosive properties) | : N.D.                                    | vol%     |
| Oxidising properties                    | : N.D.                                    |          |
| Vapour pressure (at 20°C)               | : N.D.                                    | hPa      |
| Vapour pressure (at 50°C)               | : N.D.                                    | hPa      |
| Relative density liquid phase (20°C)    | : 0.8                                     |          |
| Water solubility                        | : N.D.                                    | g/100 ml |
| Soluble in                              | : No data available                       |          |
| Relative vapour density                 | : N.D.                                    |          |
| Viscosity (at °C)                       | : N.D.                                    | Pa.s     |
| Partition coefficient n-octanol/water   | : N.D.                                    |          |
| Evaporation rate                        |                                           |          |
| ratio to butyl acetate                  | : N.D.                                    |          |
| ratio to ether                          | : N.D.                                    |          |

### 9.3 Other information:

|                             |        |                  |
|-----------------------------|--------|------------------|
| Melting point/melting range | : N.D. | °C               |
| Auto-ignition point         | : N.D. | °C               |
| Saturation concentration    | : N.D. | g/m <sup>3</sup> |
| Specific conductivity       | : N.D. | pS/m             |

# Adhesive Remover

## 10. Stability and reactivity

### 10.1 Conditions to avoid:

- Stable under normal conditions

### 10.2 Materials to avoid:

- Keep away from: heat sources, ignition sources

### 10.3 Hazardous decomposition products:

- Upon combustion CO and CO<sub>2</sub> are formed

## 11. Toxicological information

### 11.1 Acute toxicity:

#### ACETONE:

|                     |         |          |
|---------------------|---------|----------|
| LD50 oral rat       | : 5800  | mg/kg    |
| LD50 dermal rabbit  | : 20000 | mg/kg    |
| LC50 inhalation rat | : 71    | mg/l/4 h |
| LC50 inhalation rat | : 30000 | ppm/4 h  |

#### HEPTANE:

|                     |           |          |
|---------------------|-----------|----------|
| LD50 oral rat       | : > 15000 | mg/kg    |
| LD50 dermal rabbit  | : > 3160  | mg/kg    |
| LC50 inhalation rat | : 103     | mg/l/4 h |
| LC50 inhalation rat | : 25000   | ppm/4 h  |

#### ETHYL ACETATE:

|                    |           |       |
|--------------------|-----------|-------|
| LD50 oral rat      | : 5620    | mg/kg |
| LD50 dermal rabbit | : > 18000 | mg/kg |

#### PROPANE:

|                     |          |          |
|---------------------|----------|----------|
| LC50 inhalation rat | : 513    | mg/l/4 h |
| LC50 inhalation rat | : 280000 | ppm/4 h  |

#### BUTANE:

|                     |       |          |
|---------------------|-------|----------|
| LC50 inhalation rat | : 658 | mg/l/4 h |
|---------------------|-------|----------|

### 11.2 Chronic toxicity:

#### ACETONE:

|                       |           |
|-----------------------|-----------|
| Carcinogenicity (TLV) | : A4      |
| Teratogenicity (MAK)  | : Group D |

#### HEPTANE:

|                      |           |
|----------------------|-----------|
| Teratogenicity (MAK) | : Group D |
|----------------------|-----------|

#### ETHYL ACETATE:

|                      |           |
|----------------------|-----------|
| Teratogenicity (MAK) | : Group C |
|----------------------|-----------|

#### PROPANE:

|                      |           |
|----------------------|-----------|
| Teratogenicity (MAK) | : Group D |
|----------------------|-----------|

#### BUTANE:

|                      |           |
|----------------------|-----------|
| Teratogenicity (MAK) | : Group D |
|----------------------|-----------|

11.3 Routes of exposure: inhalation, eyes and skin

# Adhesive Remover

## 11.4 Acute effects/symptoms:

- **AFTER INHALATION:**
- EXPOSURE TO HIGH CONCENTRATIONS:
- CNS depression
- Headache
- Dizziness
- Feeling of weakness
- **AFTER SKIN CONTACT:**
- Tingling/irritation of the skin
- **AFTER EYE CONTACT:**
- Irritation of the eye tissue

## 11.5 Chronic effects:

- Contains substance of group C (MAK-Schwangerschaftsgruppe)
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)

## 12. Ecological information

### 12.1 Ecotoxicity:

#### ACETONE:

- LC50 (96 h) : 5540 mg/l (SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 39 mg/l (DAPHNIA MAGNA)
- EC50 (96 h) : 7000 mg/l (SELENASTRUM CAPRICORNUTUM)

#### HEPTANE:

- LC50 (96 h) : 375 mg/l (TILAPIA MOSAMBICA)
- EC50 (48 h) : 0.2 mg/l (CHAETOGAMMARUS MARINUS)
- EC50 (8 h) : 1.5 mg/l (ALGAE)

#### ETHYL ACETATE:

- LC50 (96 h) : 454.7 mg/l (SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 154 mg/l (DAPHNIA MAGNA)
- EC50 (48 h) : 3300 mg/l (SCENEDESMUS SUBSPICATUS)

- **Effect on waste water purification** : No data available

### 12.2 Mobility:

- **Volatile organic compounds (VOC):** 100%

For other physicochemical properties see heading 9

### 12.3 Persistence and degradability:

- |                                         |   |                   |        |
|-----------------------------------------|---|-------------------|--------|
| - <b>Biodegradation BOD<sub>5</sub></b> | : | N.D.              | % ThOD |
| - <b>Water</b>                          | : | No data available |        |
| - <b>Soil</b>                           | : | N.D.              | days   |

### 12.4 Bioaccumulative potential:

- **log P<sub>ow</sub>** : N.D.
- **BCF** : N.D.

### 12.5 Results of PBT assessment:

- Not applicable, on the basis of the available data

### 12.6 Other adverse effects:

- **WGK** : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (1999/45/EC)
- **Greenhouse effect** : No data available

# Adhesive Remover

## 13. Disposal considerations

### 13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 14 06 03\* (other solvents and solvent mixtures)
- LWCA (the Netherlands): KGA category 06
- Hazardous waste (91/689/EEC)
- Remove waste in accordance with local and/or national regulations

### 13.2 Disposal methods:

- Specific treatment
- Do not discharge into drains or the environment

### 13.3 Packaging:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10\* (packaging containing residues of or contaminated by dangerous substances)

## 14. Transport information

### 14.1 Classification of the substance in compliance with UN Recommendations

UN number : 1950  
CLASS : 2.1  
SUB RISKS : -  
PACKING GROUP : -

### 14.2 ADR (transport by road)

CLASS : 2  
PACKING GROUP :  
CLASSIFICATION CODE : 5F  
DANGER LABEL TANKS : -  
DANGER LABEL PACKAGES : 2.1  
PROPER SHIPPING NAME :  
aerosols

### 14.3 RID (transport by rail)

CLASS : 2  
PACKING GROUP :  
CLASSIFICATION CODE : 5F  
DANGER LABEL TANKS : -  
DANGER LABEL PACKAGES : 2.1  
PROPER SHIPPING NAME :  
aerosols

### 14.4 ADNR (transport by inland waterways)

CLASS : 2  
PACKING GROUP :  
CLASSIFICATION CODE : 5F  
DANGER LABEL TANKS : -  
DANGER LABEL PACKAGES : 2.1

### 14.5 IMDG (maritime transport)

CLASS : 2.1  
SUB RISKS : -  
PACKING GROUP : -  
MFIAG : -  
EMS : F-D, S-U  
MARINE POLLUTANT : P

### 14.6 ICAO (air freight)

CLASS : 2.1  
SUB RISKS : -  
PACKING GROUP : -  
PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 203/Y203  
PACKING INSTRUCTIONS CARGO AIRCRAFT : 203

# Adhesive Remover

14.7 Special precautions : None

14.8 Limited quantities (LQ) :

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, only the following prescriptions shall be complied with:

each package shall display a diamond-shaped figure with the following inscription:

- 'UN 1950'

or, in the case of different goods with different identification numbers within a single package:

- the letters 'LQ'

## 15. Regulatory information

### 15.1 EU Legislation:

Labelling in accordance with EC directives 67/548/EEC, 1999/45/EC and 2006/8/EC



Extremely flammable



Irritant



Dangerous for the environment

R36/38 : Irritating to eyes and skin  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R67 : Vapours may cause drowsiness and dizziness

S23 : Do not breathe spray  
S(46) : (If swallowed, seek medical advice immediately and show this container or label)  
S51 : Use only in well-ventilated areas  
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets

Keep away from sources of ignition - No smoking.  
Keep out of the reach of children.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.  
Do not pierce or burn after use.  
Do not spray on a naked flame or any incandescent material.

### 15.2 National provisions:

**the Netherlands:**  
Waterbezwaarlijkheid: 6

**Germany:**  
WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

# Adhesive Remover

## 16. Other information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**N.A.** = NOT APPLICABLE  
**N.D.** = NOT DETERMINED  
**(\*)** = INTERNAL CLASSIFICATION (NFPA)

**PBT-substances** = persistent, bioaccumulative and toxic substances

### Exposure limits:

**TLV** : Threshold Limit Value - ACGIH US  
**WEL** : Workplace Exposure Limits - United Kingdom  
**TRGS 900** : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany  
**MAK** : Maximale Arbeitsplatzkonzentrationen - Germany  
**GWBNL** : Grenswaarde voor blootstelling - the Netherlands  
**GWKNL** : Grenswaarde korte duur - the Netherlands  
**VME** : Valeurs limites de Moyenne d'Exposition - France  
**VLE** : Valeurs limites d'Exposition à court terme - France  
**GWBB** : Grenswaarde beroepsmatige blootstelling - Belgium  
**GWK** : Grenswaarde kortstondige blootstelling - Belgium  
**EC** : Indicative occupational exposure limit values

**I** : Inhalable fraction = **T** : Total dust = **E** : Einatembare Aerosolanteil  
**R** : Respirable fraction = **A** : Alveolengängiger Aerosolanteil/Alveolar dust  
**C** : Ceiling limit

|            |                  |              |                   |            |
|------------|------------------|--------------|-------------------|------------|
| <b>a:</b>  | aerosol          | <b>r:</b>    | rook/Rauch        | (fume)     |
| <b>d:</b>  | damp (vapour)    | <b>st:</b>   | stof/Staub        | (dust)     |
| <b>du:</b> | dust             | <b>ve:</b>   | vezel             | (fibre)    |
| <b>fa:</b> | Faser (fibre)    | <b>va:</b>   | vapour            |            |
| <b>fi:</b> | fibre            | <b>om:</b>   | oil mist          |            |
| <b>fu:</b> | fume             | <b>on:</b>   | olienevel/Ölnebel | (oil mist) |
| <b>p:</b>  | poussière (dust) | <b>part:</b> | particles         |            |

### Chronic toxicity:

**K** : List of the carcinogenic substances and processes - The Netherlands

### Full text of any R-phrases referred to under headings 2 and 3:

R11 : Highly flammable  
R12 : Extremely flammable  
R36 : Irritating to eyes  
R38 : Irritating to skin  
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R65 : Harmful: may cause lung damage if swallowed  
R66 : Repeated exposure may cause skin dryness or cracking  
R67 : Vapours may cause drowsiness and dizziness