

**Soudal Mitre Kit, Adhesive****1. Identification of the substance/preparation and of the company/undertaking**

- 1.1 Identification of the substance or preparation:**  
Product name : Soudal Mitre Kit, Adhesive
- 1.2 Use of the substance/preparation:**  
Adhesive
- 1.3 Company/undertaking identification:**  
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- 1.4 Emergency telephone:**  
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Information centre on dangerous goods (BIG)  
Technische Schoolstraat 43A, B-2440 Geel, Belgium

**2. Hazards identification**

- Irritating to eyes, respiratory system and skin
- Danger. Bonds skin and eyes in seconds

**3. Composition/information on ingredients**

| Hazardous ingredients | CAS No.           | Conc. (%) | Hazards (R-phrases) | Hazard symbol |
|-----------------------|-------------------|-----------|---------------------|---------------|
|                       | EINECS/ELINCS No. |           |                     |               |
| ethyl 2-cyanoacrylate | 7085-85-0         | >20       | 36/37/38 (1)        | Xi            |
|                       | 230-391-5         |           |                     |               |

(1) For R-phrases in full: see heading 16  
(2) Substance with a Community workplace exposure limit  
(3) PBT-substance

**4. First aid measures**

- 4.1 After inhalation:**
- Remove the victim into fresh air
  - Respiratory problems: consult a doctor/medical service
- 4.2 Skin contact:**
- Do not pull surfaces apart with a direct opposing action
  - Immerse the bonded surfaces in warm, soapy water
  - Peel or roll surfaces apart with a blunt edge e.g. spatula
  - Do not apply (chemical) neutralizing agents
  - Take victim to a doctor if irritation persists
- 4.3 Eye contact:**
- Do not try to open the eyes by manipulation
  - Wash thoroughly with warm water
  - Apply a moist gauze patch
  - Take victim to an ophthalmologist
- 4.4 After ingestion:**
- Do not try to pull the lips with a direct opposing action
  - Apply lots of warm water and saliva
  - Consult a doctor/medical service if you feel unwell

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Reason for revision : See 14



## Soudal Mitre Kit, Adhesive

### 5. Fire-fighting measures

#### 5.1 Suitable extinguishing media:

- Water spray
- Polyvalent foam
- BC powder
- Carbon dioxide

#### 5.2 Unsuitable extinguishing media:

- Solid water jet ineffective as extinguishing medium

#### 5.3 Special exposure hazards:

- Material presenting a fire hazard
- On burning: release of toxic and corrosive gases/vapours e.g.: nitrous vapours, carbon monoxide and carbon dioxide

#### 5.4 Instructions:

- Dilute toxic gases with water spray

#### 5.5 Special protective equipment for fire-fighters:

- Heat/fire exposure: compressed air/oxygen apparatus
- Protective clothing for exposure to chemicals

### 6. Accidental release measures

#### 6.1 Personal precautions:

See heading 8.2/13

#### 6.2 Environmental precautions:

- Contain leaking substance

#### 6.3 Methods for cleaning up:

- Liquid spill: allow to react with an excess of water
- Allow product to solidify and remove it by mechanical means
- Wash clothing and equipment after handling

### 7. Handling and storage

#### 7.1 Handling:

- Observe strict hygiene
- Remove contaminated clothing immediately
- Clean contaminated clothing

#### 7.2 Storage:

- Keep container tightly closed
- Keep out of direct sunlight
- Store in a cool area
- Store in a dry area
  
- Keep away from: heat sources, oxidizing agents, bases, acids, alcohols, amines, water/moisture

|                         |                |      |
|-------------------------|----------------|------|
| Storage temperature     | : 2 - 8        | °C   |
| Quantity limits         | : N.D.         | kg   |
| Storage life            | : N.D.         | days |
| Materials for packaging | :              |      |
| - suitable              | : polyethylene |      |

#### 7.3 Specific use(s):

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



## Soudal Mitre Kit, Adhesive

### 8. Exposure controls/Personal protection

#### 8.1 Exposure limit values:

##### 8.1.1 Occupational exposure:

ETHYL 2-CYANOACRYLATE:

|                 |   |                   |     |     |
|-----------------|---|-------------------|-----|-----|
| TLV-TWA         | : | mg/m <sup>3</sup> | 0.2 | ppm |
| TLV-STEL        | : | mg/m <sup>3</sup> | -   | ppm |
| TLV-Ceiling     | : | mg/m <sup>3</sup> | -   | ppm |
| WEL-LTEL        | : | mg/m <sup>3</sup> | -   | ppm |
| WEL-STEL        | : | mg/m <sup>3</sup> | 0.3 | ppm |
| TRGS 900        | : | mg/m <sup>3</sup> | -   | ppm |
| MAK             | : | mg/m <sup>3</sup> | -   | ppm |
| MAC-TGG 8 h     | : | mg/m <sup>3</sup> | -   | ppm |
| MAC-TGG 15 min. | : | mg/m <sup>3</sup> | 1.5 | ppm |
| MAC-Ceiling     | : | mg/m <sup>3</sup> | -   | ppm |
| VME-8 h         | : | mg/m <sup>3</sup> | -   | ppm |
| VLE-15 min.     | : | mg/m <sup>3</sup> | -   | ppm |
| GWBB-8 h        | : | mg/m <sup>3</sup> | -   | ppm |
| GWK-15 min.     | : | mg/m <sup>3</sup> | -   | ppm |
| Momentary value | : | mg/m <sup>3</sup> | -   | ppm |
| EC              | : | mg/m <sup>3</sup> | -   | ppm |
| EC-STEL         | : | mg/m <sup>3</sup> | -   | ppm |

#### 8.2 Exposure controls:

##### 8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

##### Personal protective equipment:

###### a) Respiratory protection:

- Wear gas mask with filter type A if conc. in air > exposure limit

###### b) Hand protection:

- Gloves  
In compliance with EN 374

| Materials      | Breakthrough time (min) | Thickness (mm) |
|----------------|-------------------------|----------------|
| Nitrile rubber | > 480                   | > 0.4          |
|                |                         |                |

###### c) Eye protection:

- Face shield

###### d) Skin protection:

- Protective clothing

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



## Soudal Mitre Kit, Adhesive

### 9. Physical and chemical properties

#### 9.1 General information:

Appearance (at 20°C) : Liquid  
Odour : Irritating/pungent  
Colour : Colourless

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

pH value (at %) : N.D.  
Boiling point/boiling range : > 100 °C  
Flash point/flammability : 80 - 93 °C  
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 (at 20°C) : 1.1  
Water solubility : Reacts with water  
Soluble in : Acetone, methyl ethyl ketone  
Relative vapour density : > 2  
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 temperature : N.D. °C  
Saturation concentration : N.D. g/m<sup>3</sup>  
Specific conductivity : N.D. pS/m

### 10. Stability and reactivity

#### 10.1 Conditions to avoid:

- Unstable on exposure to moisture

#### 10.2 Materials to avoid:

- Keep away from: heat sources, oxidizing agents, bases, acids, alcohols, amines, water/moisture

#### 10.3 Hazardous decomposition products:

- Violent exothermic reaction with water (moisture)
- Violent polymerisation with (some) bases, with alcohols, with amines and on exposure to water (moisture)
- On burning: release of toxic and corrosive gases/vapours e.g.: nitrous vapours, carbon monoxide and carbon dioxide



## Soudal Mitre Kit, Adhesive

### 11. Toxicological information

#### 11.1 Acute toxicity:

|                     |          |          |
|---------------------|----------|----------|
| LD50 oral rat       | : > 5000 | mg/kg    |
| LD50 dermal rat     | : N.D.   | mg/kg    |
| LD50 dermal rabbit  | : > 2000 | mg/kg    |
| LC50 inhalation rat | : N.D.   | mg/l/4 h |
| LC50 inhalation rat | : N.D.   | ppm/4 h  |

#### 11.2 Chronic toxicity:

|                        |              |
|------------------------|--------------|
| EC carc. cat.          | : not listed |
| EC muta. cat.          | : not listed |
| EC repr. cat.          | : not listed |
| Carcinogenicity (TLV)  | : not listed |
| Carcinogenicity (MAC)  | : not listed |
| Carcinogenicity (VME)  | : not listed |
| Carcinogenicity (GWBB) | : not listed |
| Carcinogenicity (MAK)  | : not listed |
| Mutagenicity (MAK)     | : not listed |
| Teratogenicity (MAK)   | : not listed |
| IARC classification    | : not listed |

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

#### 11.4 Acute effects/symptoms:

##### AFTER INHALATION:

- Dry/sore throat
- Irritation of the respiratory tract
- Irritation of the nasal mucous membranes

##### EXPOSURE TO HIGH CONCENTRATIONS:

- Respiratory difficulties

##### AFTER SKIN CONTACT:

- Tingling/irritation of the skin

##### AFTER EYE CONTACT:

- Irritation of the eye tissue

#### 11.5 Chronic effects:

- Not listed in carcinogenicity class (IARC, EC, TLV, MAK)
- Not listed in mutagenicity class (EC, MAK)
- Not classified as toxic to reproduction (EC)

##### ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

- Skin rash/inflammation



## Soudal Mitre Kit, Adhesive

### 12. Ecological information

#### 12.1 Ecotoxicity:

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

#### 12.2 Mobility:

- **Volatile organic compounds (VOC)**: N.D.%

For other physicochemical properties see heading 9

#### 12.3 Persistence and degradability:

- **biodegradation BOD<sub>5</sub>** : N.D. % ThOD
- **water** : - Not readily degradable in water
- **soil** : **T ½**: 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, based on available data.

#### 12.6 Other adverse effects:

- **WGK** : N.D.
- **Effect on the ozone layer** : Not dangerous for the ozone layer (1999/45/EC)
- **Greenhouse effect** : No data available

### 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): 08 04 09\* (waste adhesives and sealants containing organic solvents or other dangerous substances)
- Hazardous waste (91/689/EEC)

#### 13.2 Disposal methods:

- Carefully stir with water
- Allow waste to solidify
- Remove to an authorized dump
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber
- Do not discharge into drains or the environment

#### 13.3 Packaging/Container:

- 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)



## Soudal Mitre Kit, Adhesive

### 14. Transport information

- 14.1 Classification of the substance in compliance with UN Recommendations  
UN number :  
CLASS : Not subject  
SUB RISKS :  
PACKING :
- 14.2 ADR (transport by road)  
CLASS : Not subject  
PACKING :  
CLASSIFICATION CODE :  
DANGER LABEL TANKS :  
DANGER LABEL PACKAGES :  
PROPER SHIPPING NAME :
- 14.3 RID (transport by rail)  
CLASS : Not subject  
PACKING :  
CLASSIFICATION CODE :  
DANGER LABEL TANKS :  
DANGER LABEL PACKAGES :  
PROPER SHIPPING NAME :
- 14.4 ADNR (transport by inland waterways)  
ADNR UN number : 9003  
CLASS : 9 (Tank-vessel)  
PACKING :  
CLASSIFICATION CODE :  
DANGER LABEL TANKS :  
DANGER LABEL PACKAGES :  
PROPER SHIPPING NAME :  
Substances with a flashpoint above 60°C and not more than 100°C, which do not belong to another class
- 14.5 IMDG (maritime transport)  
CLASS : Not subject  
SUB RISKS :  
PACKING :  
MFIAG :  
EMS :  
MARINE POLLUTANT :
- 14.6 ICAO (air transport)  
ICAO UN number : 3334  
CLASS : 9  
SUB RISKS :  
PACKING :  
PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 906  
PACKING INSTRUCTIONS CARGO AIRCRAFT : 906  
PROPER SHIPPING NAME :  
Aviation regulated liquid, n.o.s. ( ethyl 2-cyanoacrylate)
- 14.7 Special precautions : None



## Soudal Mitre Kit, Adhesive

### 15. Regulatory information

#### 15.1 EU legislation:

Classification according to directives 67/548/EEC, 1999/45/EC and 2006/8/EC



Irritant

R36/37/38 : (1) Irritating to eyes, respiratory system and skin

S(02) : (1) (Keep out of reach of children)

S23 : (1) Do not breathe vapour

S24/25 : (1) Avoid contact with skin and eyes

S26) : (1) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S(46) : (1) (If swallowed, seek medical advice immediately and show this container or label)

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

(1) Does not need to be mentioned on packages < 125 ml

#### 15.2 National provisions:

##### The Netherlands:

Waterbezwaarlijkheid: 11

##### Germany:

WGK : N.D.



## Soudal Mitre Kit, Adhesive

### 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 USA  
**WEL** : Workplace Exposure Limits - United Kingdom  
**TRGS 900** : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany  
**MAK** : Maximale Arbeitsplatzkonzentrationen - Germany  
**MAC** : Maximale aanvaarde concentratie - 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 - directive 2000/39/EC

**I** : Inhalable fraction = **T**: Total dust = **E**: Einatembarer 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:

R36/37/38 : Irritating to eyes, respiratory system and skin