

Soudal PRO 40 P

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

1.1. Product identifier

Product name : Soudal PRO 40 P
 Registration number REACH : Not applicable (mixture)
 Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Adhesive

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 ☎ +32 14 42 42 31
 ☐ +32 14 42 65 14
 msds@soudal.com

Manufacturer of the product

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 ☎ +32 14 42 42 31
 ☐ +32 14 42 65 14
 msds@soudal.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
 +32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

| Class | Category | Hazard statements |
|-------------|------------|---|
| Carc. | category 2 | H351: Suspected of causing cancer. |
| Resp. Sens. | category 1 | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin Sens. | category 1 | H317: May cause an allergic skin reaction. |
| Acute Tox. | category 4 | H332: Harmful if inhaled. |
| STOT RE | category 2 | H373: May cause damage to organs through prolonged or repeated exposure if inhaled. |
| Skin Irrit. | category 2 | H315: Causes skin irritation. |
| Eye Irrit. | category 2 | H319: Causes serious eye irritation. |
| STOT SE | category 3 | H335: May cause respiratory irritation. |

2.2. Label elements



Contains: polymethylene polyphenyl isocyanate.

Signal word : Danger

H-statements

| | |
|------|---|
| H351 | Suspected of causing cancer. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317 | May cause an allergic skin reaction. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled. |
| H315 | Causes skin irritation. |

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| | |
|---------------------------------|---|
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| P-statements | |
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P280 | Wear protective gloves, protective clothing and eye protection/face protection. |
| P284 | Wear respiratory protection. |
| P260 | Do not breathe vapours/mist. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulation. |
| Supplemental information | |
| | - Persons already sensitised to diisocyanates may develop allergic reactions when using this product. |
| | - Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. |
| | - 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. |

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name REACH Registration No | CAS No EC No | Conc. (C) | Classification according to CLP | Note | Remark |
|-------------------------------------|------------------------|-----------|---|-------------------|-------------|
| xylene 01-2119488216-32 | 1330-20-7 215-535-7 | 1%<C<10% | Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 | (1)(2)(10) | Constituent |
| ethylbenzene 01-2119489370-35 | 100-41-4 202-849-4 | 1%<C<10% | Flam. Liq. 2; H225 Acute Tox. 4; H332 Asp. Tox. 1; H304 STOT RE 2; H373 Aquatic Chronic 3; H412 | (1)(2)(6)(10) | Constituent |
| polymethylene polyphenyl isocyanate | 9016-87-9 | C>25 % | Carc. 2; H351 Resp. Sens. 1; H334 Skin Sens. 1; H317 Acute Tox. 4; H332 STOT RE 2; H373 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 | (1)(2)(8)(10)(18) | Polymer |

(1) For H-statements in full: see heading 16

(2) Substance with a Community workplace exposure limit

(6) Enumerated in Annex VI of Regulation (EC) No. 1272/2008 but the classification has been adapted after evaluation of available test data

(8) Specific concentration limits, see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

(18) Polymethylene polyphenyl isocyanate, contains > 0.1% MDI-isomers

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:

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Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms

After inhalation:

Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Runny nose. EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression. Dizziness. Narcosis. Headache. Disturbances of consciousness.

After skin contact:

Tingling/irritation of the skin.

After eye contact:

Irritation of the eye tissue.

After ingestion:

AFTER INGESTION OF HIGH QUANTITIES: Central nervous system depression. Enlargement/affection of the liver. Symptoms similar to those listed under inhalation.

4.2.2 Delayed symptoms

No effects known.

4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

Major fire: Class B foam (not alcohol-resistant).

5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.

Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide). On heating: release of toxic/combustible gases/vapours (hydrogen cyanide).

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Face-shield. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face-shield. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product. Dam up the liquid spill. Prevent spreading in sewers. Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Allow product to solidify and remove it by mechanical means. Carefully collect the spill/leftovers. Clean (treat) contaminated surfaces with acetone. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

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SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Gas/vapour heavier than air at 20°C. Observe very strict hygiene - avoid contact. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Store in a cool area. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, (strong) acids, (strong) bases.

7.2.3 Suitable packaging material:

Synthetic material.

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

EU

| | | |
|-----------------------------|---|-----------------------|
| Ethylbenzene | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 100 ppm |
| | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 442 mg/m ³ |
| | Short time value (Indicative occupational exposure limit value) | 200 ppm |
| | Short time value (Indicative occupational exposure limit value) | 884 mg/m ³ |
| Xylene, mixed isomers, pure | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 50 ppm |
| | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 221 mg/m ³ |
| | Short time value (Indicative occupational exposure limit value) | 100 ppm |
| | Short time value (Indicative occupational exposure limit value) | 442 mg/m ³ |

Belgium

| | | |
|--|--|-------------------------|
| 4,4'-Diisocyanate de diphénylméthane (MDI) | Time-weighted average exposure limit 8 h | 0.005 ppm |
| | Time-weighted average exposure limit 8 h | 0.052 mg/m ³ |
| Ethylbenzène | Time-weighted average exposure limit 8 h | 100 ppm |
| | Time-weighted average exposure limit 8 h | 442 mg/m ³ |
| | Short time value | 125 ppm |
| | Short time value | 551 mg/m ³ |
| Xylène, isomères mixtes, purs | Time-weighted average exposure limit 8 h | 50 ppm |
| | Time-weighted average exposure limit 8 h | 221 mg/m ³ |
| | Short time value | 100 ppm |
| | Short time value | 442 mg/m ³ |

The Netherlands

| | | |
|------------------------------|---|-----------------------|
| Ethylbenzeen | Time-weighted average exposure limit 8 h (Public occupational exposure limit value) | 49 ppm |
| | Time-weighted average exposure limit 8 h (Public occupational exposure limit value) | 215 mg/m ³ |
| | Short time value (Public occupational exposure limit value) | 97 ppm |
| | Short time value (Public occupational exposure limit value) | 430 mg/m ³ |
| Xyleen (o-,m- en p-isomeren) | Time-weighted average exposure limit 8 h (Public occupational exposure limit value) | 48 ppm |
| | Time-weighted average exposure limit 8 h (Public occupational exposure limit value) | 210 mg/m ³ |
| | Short time value (Public occupational exposure limit value) | 100 ppm |
| | Short time value (Public occupational exposure limit value) | 442 mg/m ³ |

France

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| | | |
|--------------------------------------|--|------------------------|
| 4,4'-Diisocyanate de diphenylméthane | Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) | 0.01 ppm |
| | Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) | 0.1 mg/m ³ |
| | Short time value (VL: Valeur non réglementaire indicative) | 0.02 ppm |
| | Short time value (VL: Valeur non réglementaire indicative) | 0.2 mg/m ³ |
| Ethylbenzène | Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante) | 20 ppm |
| | Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante) | 88.4 mg/m ³ |
| | Short time value (VRC: Valeur réglementaire contraignante) | 100 ppm |
| | Short time value (VRC: Valeur réglementaire contraignante) | 442 mg/m ³ |
| Xylènes, isomères mixtes, purs | Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante) | 50 ppm |
| | Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante) | 221 mg/m ³ |
| | Short time value (VRC: Valeur réglementaire contraignante) | 100 ppm |
| | Short time value (VRC: Valeur réglementaire contraignante) | 442 mg/m ³ |

Germany

| | | |
|--------------------------------|---|------------------------|
| 4,4'-Methyldiphenyldiisocyanat | Time-weighted average exposure limit 8 h (TRGS 900) | 0.05 mg/m ³ |
| Ethylbenzol | Time-weighted average exposure limit 8 h (TRGS 900) | 20 ppm |
| | Time-weighted average exposure limit 8 h (TRGS 900) | 88 mg/m ³ |
| pMDI (als MDI berechnet) | Time-weighted average exposure limit 8 h (TRGS 900) | 0.05 mg/m ³ |

UK

| | | |
|---|---|------------------------|
| Ethylbenzene | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 100 ppm |
| | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 441 mg/m ³ |
| | Short time value (Workplace exposure limit (EH40/2005)) | 125 ppm |
| | Short time value (Workplace exposure limit (EH40/2005)) | 552 mg/m ³ |
| Isocyanates, all (as -NCO) Except methyl isocyanate | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 0.02 mg/m ³ |
| | Short time value (Workplace exposure limit (EH40/2005)) | 0.07 mg/m ³ |
| Xylene, o-,m-,p- or mixed isomers | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 50 ppm |
| | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 220 mg/m ³ |
| | Short time value (Workplace exposure limit (EH40/2005)) | 100 ppm |
| | Short time value (Workplace exposure limit (EH40/2005)) | 441 mg/m ³ |

USA (TLV-ACGIH)

| | | |
|--------------------------------------|--|-----------|
| Ethyl benzene | Time-weighted average exposure limit 8 h (TLV - Adopted Value) | 20 ppm |
| Methylene bisphenyl isocyanate (MDI) | Time-weighted average exposure limit 8 h (TLV - Adopted Value) | 0.005 ppm |
| Xylene (all isomers) | Time-weighted average exposure limit 8 h (TLV - Adopted Value) | 100 ppm |
| | Short time value (TLV - Adopted Value) | 150 ppm |

b) National biological limit values

If limit values are applicable and available these will be listed below.

Germany

| | | | |
|---|---|--------------------|--|
| Ethylbenzol (Mandelsäure plus Phenylglyoxylsäure) | Urin: expositionsende, bzw. schichtende | 250 mg/g Kreatinin | 11/2016 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG |
|---|---|--------------------|--|

USA (BEI-ACGIH)

| | | | |
|---|---------------------|----------------------|--------------------------------|
| Ethyl benzene (Sum of mandelic acid and phenylglyoxylic acid) | Urine: end of shift | 0,15 g/g creatinine | Nonspecific - Intended changes |
| Ethyl benzene (Sum of mandelic acid and phenylglyoxylic acid) | Urine: end of shift | 0,15 mg/g creatinine | |

8.1.2 Sampling methods

| Product name | Test | Number |
|--|-------|--------|
| Ethyl Benzene (Hydrocarbons, Aromatic) | NIOSH | 1501 |
| Ethyl Benzene | OSHA | 1002 |
| Ethyl Benzene | OSHA | 7 |
| Isocyanates | NIOSH | 5521 |
| Isocyanates | NIOSH | 5522 |
| Xylene (Volatile Organic compounds) | NIOSH | 2549 |

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

Reason for revision: 2;3

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Date of revision: 2018-01-09

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DNEL/DMEL - Workers

xylene

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|---------------------------------------|-----------------------|--------|
| DNEL | Long-term systemic effects inhalation | 77 mg/m ³ | |
| | Acute systemic effects inhalation | 289 mg/m ³ | |
| | Acute local effects inhalation | 289 mg/m ³ | |
| | Long-term systemic effects dermal | 180 mg/kg bw/day | |

ethylbenzene

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|---------------------------------------|-----------------------|--------|
| DNEL | Long-term systemic effects inhalation | 77 mg/m ³ | |
| | Acute local effects inhalation | 293 mg/m ³ | |
| | Long-term systemic effects dermal | 180 mg/kg bw/day | |

DNEL/DMEL - General population

xylene

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|---------------------------------------|------------------------|--------|
| DNEL | Long-term systemic effects inhalation | 14.8 mg/m ³ | |
| | Acute systemic effects inhalation | 174 mg/m ³ | |
| | Acute local effects inhalation | 174 mg/m ³ | |
| | Long-term systemic effects dermal | 108 mg/kg bw/day | |
| | Long-term systemic effects oral | 1.6 mg/kg bw/day | |

ethylbenzene

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|---------------------------------------|----------------------|--------|
| DNEL | Long-term systemic effects inhalation | 15 mg/m ³ | |
| | Long-term systemic effects oral | 1.6 mg/kg bw/day | |

PNEC

xylene

| Compartments | Value | Remark |
|-----------------------|-------------------------|--------|
| Fresh water | 0.327 mg/l | |
| Marine water | 0.327 mg/l | |
| STP | 6.58 mg/l | |
| Fresh water sediment | 12.46 mg/kg sediment dw | |
| Marine water sediment | 12.46 mg/kg sediment dw | |
| Soil | 2.31 mg/kg soil dw | |

ethylbenzene

| Compartments | Value | Remark |
|------------------------------|------------------------|--------|
| Fresh water | 0.1 mg/l | |
| Marine water | 0.01 mg/l | |
| Aqua (intermittent releases) | 0.1 mg/l | |
| STP | 9.6 mg/l | |
| Fresh water sediment | 13.7 mg/kg sediment dw | |
| Marine water sediment | 1.37 mg/kg sediment dw | |
| Soil | 2.68 mg/kg soil dw | |
| Oral | 0.02 g/kg food | |

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit.

b) Hand protection:

Gloves.

c) Eye protection:

Face shield.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|--|
| Physical form | Liquid |
| Odour | Solvent-like odour |
| Odour threshold | No data available |
| Colour | Brown |
| Particle size | Not applicable (liquid) |
| Explosion limits | No data available |
| Flammability | Non-flammable |
| Log Kow | Not applicable (mixture) |
| Dynamic viscosity | No data available |
| Kinematic viscosity | No data available |
| Melting point | No data available |
| Boiling point | No data available |
| Evaporation rate | No data available |
| Relative vapour density | > 2 |
| Vapour pressure | No data available |
| Solubility | Water ; insoluble |
| Relative density | 1.1 ; 20 °C |
| Decomposition temperature | No data available |
| Auto-ignition temperature | No data available |
| Flash point | Not applicable |
| Explosive properties | No chemical group associated with explosive properties |
| Oxidising properties | No chemical group associated with oxidising properties |
| pH | No data available |

9.2. Other information

| | |
|------------------|--------------------------------|
| Absolute density | 1100 kg/m ³ ; 20 °C |
|------------------|--------------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts violently with (some) acids/bases.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

(strong) acids, (strong) bases.

10.6. Hazardous decomposition products

On heating: release of toxic/combustible gases/vapours (hydrogen cyanide). On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

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No (test)data on the mixture available

Classification is based on the relevant ingredients

Reason for revision: 2;3

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Product number: 45246

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xylene

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Remark |
|----------------------|-----------|-----------------------------|---------------|---------------|------------|---------------------|--------|
| Oral | LD50 | Equivalent to EU Method B.1 | 3523 mg/kg bw | | Rat (male) | Experimental value | |
| Dermal | | | category 4 | | | Annex VI | |
| Inhalation (vapours) | | | category 4 | | | Annex VI | |

Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test

ethylbenzene

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Remark |
|----------------------|-----------|--------|-------------|---------------|-------------------|---------------------|--------|
| Oral | LD50 | | 3500 mg/kg | | Rat (male/female) | Experimental value | |
| Dermal | LD50 | | 15432 mg/kg | 24 h | Rabbit (male) | Experimental value | |
| Inhalation (vapours) | LC50 | | 17.8 mg/l | 4 h | Rat (male) | | |

polymethylene polyphenyl isocyanate

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Remark |
|----------------------|-----------|--------|-------------------|---------------|---------|---------------------|--------|
| Oral | LD50 | | > 10000 mg/kg | | Rat | Literature study | |
| Dermal | LD50 | | > 5000 mg/kg | | Rabbit | Literature study | |
| Inhalation (vapours) | LD50 | | 10 mg/l - 20 mg/l | 4 h | Rat | Literature study | |
| Inhalation | | | category 4 | | | Literature study | |

Conclusion

Harmful if inhaled.

Not classified as acute toxic in contact with skin

Not classified as acute toxic if swallowed

Corrosion/irritation

Soudal PRO 40 P

No (test)data on the mixture available

Classification is based on the relevant ingredients

xylene

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|----------------------|-----------------------|------------------|---------------|------------------|---------|---------------------|--------|
| Eye | Moderately irritating | Draize Test | | 24; 48; 72 hours | Rabbit | Experimental value | |
| Skin | Moderately irritating | Draize Skin Test | 24 h - 72 h | 24; 72 hours | Rabbit | Experimental value | |
| Inhalation (vapours) | Irritating | | 4 h | | Human | | |

Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test

ethylbenzene

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|-------------------|-----------------------|--------|---------------|------------|---------|---------------------|--------|
| Eye | Slightly irritating | | | 7 days | Rabbit | Experimental value | |
| Skin | Moderately irritating | | 24 h | 24 hours | Rabbit | Experimental value | |

polymethylene polyphenyl isocyanate

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|-------------------|---------------------------|--------|---------------|------------|---------|---------------------|--------|
| Eye | Irritating; category 2 | | | | | Literature study | |
| Skin | Irritating; category 2 | | | | | Literature study | |
| Inhalation | Irritating; STOT SE cat.3 | | | | | Literature study | |

Conclusion

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Respiratory or skin sensitisation

Reason for revision: 2;3

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Revision number: 0302

Product number: 45246

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No (test)data on the mixture available

Classification is based on the relevant ingredients

xylene

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|-------------------|-----------------|----------|---------------|------------------------|---------|---------------------|--------|
| Skin | Not sensitizing | OECD 429 | | | Mouse | Experimental value | |

ethylbenzene

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|-------------------|--------|--------|---------------|------------------------|---------|---------------------|--------|
| Skin | | | | | | Data waiving | |

polymethylene polyphenyl isocyanate

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|-------------------|-------------------------|--------|---------------|------------------------|---------|---------------------|--------|
| Skin | Sensitizing; category 1 | | | | | Literature study | |
| Inhalation | Sensitizing; category 1 | | | | | Literature study | |

Conclusion

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Specific target organ toxicity

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No (test)data on the mixture available

Classification is based on the relevant ingredients

xylene

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Value determination |
|----------------------|-----------|--------------------------|--------------------------|-------|-------------|--------------------------------|--------------|---------------------|
| Oral (stomach tube) | LOAEL | Equivalent to OECD 408 | 150 mg/kg bw/day | Liver | Weight gain | 90 days (1x/day) | Rat (male) | Experimental value |
| Oral (stomach tube) | NOAEL | Equivalent to OECD 408 | 150 mg/kg bw/day | Liver | No effect | 90 days (1x/day) | Rat (female) | Experimental value |
| Inhalation (vapours) | NOAEC | Subchronic toxicity test | ≥ 3515 mg/m ³ | | No effect | 13 weeks (6h/day, 5 days/week) | Rat (male) | Experimental value |

ethylbenzene

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Value determination |
|---------------------|-----------|------------------------|------------------|-------|------------------------------------|--------------------------------|---------------------|---------------------|
| Oral (stomach tube) | NOAEL | OECD 408 | 75 mg/kg bw/day | Liver | Enlargement/affection of the liver | 13 week(s) | Rat (male/female) | Experimental value |
| Oral (stomach tube) | LOAEL | OECD 408 | 250 mg/kg bw/day | Liver | Enlargement/affection of the liver | 13 week(s) | Rat (male/female) | Experimental value |
| Inhalation | NOAEL | Equivalent to OECD 413 | 1000 ppm | | No effect | 13 weeks (6h/day, 5 days/week) | Mouse (male/female) | Experimental value |

Due to differences in metabolism the relevance for humans if swallowed is questioned

polymethylene polyphenyl isocyanate

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Value determination |
|-------------------|-----------|--------|---------------|-------|--------|---------------|---------|---------------------|
| Inhalation | | | STOT RE cat.2 | | | | | Literature study |

Conclusion

May cause damage to organs through prolonged or repeated exposure if inhaled.

Mutagenicity (in vitro)

Soudal PRO 40 P

No (test)data on the mixture available

xylene

| Result | Method | Test substrate | Effect | Value determination |
|---|------------------------------|-----------------------------|--------|---------------------|
| Negative with metabolic activation, negative without metabolic activation | Equivalent to EU Method B.10 | Chinese hamster ovary (CHO) | | Experimental value |
| Negative with metabolic activation, negative without metabolic activation | Equivalent to EU Method B.19 | Chinese hamster ovary (CHO) | | Experimental value |

Reason for revision: 2;3

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Soudal PRO 40 P

ethylbenzene

| Result | Method | Test substrate | Effect | Value determination |
|---|------------------------|-----------------------------|-----------|---------------------|
| Negative with metabolic activation, negative without metabolic activation | Equivalent to OECD 473 | Chinese hamster ovary (CHO) | No effect | Experimental value |

Mutagenicity (in vivo)

Soudal PRO 40 P

No (test) data on the mixture available

Judgement is based on the relevant ingredients

xylene

| Result | Method | Exposure time | Test substrate | Organ | Value determination |
|----------|------------------------|---------------|---------------------|-------|---------------------|
| Negative | Equivalent to OECD 478 | | Mouse (male/female) | | Experimental value |

ethylbenzene

| Result | Method | Exposure time | Test substrate | Organ | Value determination |
|----------|----------|---------------|----------------|-------|---------------------|
| Negative | OECD 474 | | Mouse (male) | | Experimental value |

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Soudal PRO 40 P

No (test) data on the mixture available

Classification is based on the relevant ingredients

xylene

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|-------------------|------------|------------------------------|--------------------|-------------------------|-------------------|------------------------|-------|---------------------|
| Oral | Dose level | Equivalent to EU Method B.32 | ≥ 500 mg/kg bw/day | 103 weeks (5 days/week) | Rat (male/female) | No carcinogenic effect | | Experimental value |

ethylbenzene

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|----------------------|-----------|------------------------|---------|---------------------------------|-------------------|------------------------|-------|---------------------|
| Inhalation (vapours) | NOAEC | Equivalent to OECD 453 | 250 ppm | 104 weeks (6h/day, 5 days/week) | Rat (male/female) | No carcinogenic effect | | Experimental value |

polymethylene polyphenyl isocyanate

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|-------------------|-----------|--------|------------|---------------|---------|--------|-------|---------------------|
| Unknown | | | category 2 | | | | | Literature study |

Conclusion

Suspected of causing cancer.

Reproductive toxicity

Soudal PRO 40 P

No (test) data on the mixture available

Judgement is based on the relevant ingredients

xylene

| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|------------------------|------------|------------------------|-----------|------------------|-------------------|-----------|-------|---------------------|
| Developmental toxicity | NOAEC | Equivalent to OECD 414 | 100 ppm | 15 days (6h/day) | Rat (male/female) | No effect | | Experimental value |
| Maternal toxicity | NOAEC | OECD 414 | 500 ppm | 15 days (6h/day) | Rat | No effect | | Experimental value |
| Effects on fertility | NOAEC (P) | EPA OPPTS 870.3800 | ≥ 500 ppm | 70 days (6h/day) | Rat (male/female) | No effect | | Experimental value |
| | NOAEC (F1) | EPA OPPTS 870.3800 | ≥ 500 ppm | 70 days (6h/day) | Rat (male/female) | No effect | | Experimental value |

ethylbenzene

| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|------------------------|-----------------|----------|---------|----------------------------|-------------------|-----------|--------|---------------------|
| Developmental toxicity | NOAEC | OECD 414 | 500 ppm | 15 days (gestation, daily) | Rat (female) | No effect | Foetus | Experimental value |
| Maternal toxicity | NOAEC | OECD 414 | 500 ppm | 15 days (gestation, daily) | Rat | No effect | | Experimental value |
| Effects on fertility | NOAEC (P/F1/F2) | OECD 416 | 500 ppm | 70 days (6h/day) | Rat (male/female) | No effect | | Experimental value |

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Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudal PRO 40 P

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Soudal PRO 40 P

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Itching. Skin rash/inflammation. Respiratory difficulties.

SECTION 12: Ecological information

12.1. Toxicity

Soudal PRO 40 P

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

xylene

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|---|-----------|----------|------------|-----------|---------------------------------|---------------------|------------------|---------------------------------|
| Acute toxicity fishes | LC50 | OECD 203 | 2.6 mg/l | 96 h | Oncorhynchus mykiss | Static system | Fresh water | Read-across; Lethal |
| Acute toxicity crustacea | EC50 | | 3.82 mg/l | 48 h | Daphnia magna | Flow-through system | Fresh water | Read-across |
| Toxicity algae and other aquatic plants | EC50 | OECD 201 | 4.36 mg/l | 73 h | Pseudokirchneriella subcapitata | Static system | Fresh water | Experimental value; Growth rate |
| Long-term toxicity fish | NOEC | | > 1.3 mg/l | 56 day(s) | Oncorhynchus mykiss | Flow-through system | Fresh water | Experimental value; Lethal |
| Long-term toxicity aquatic crustacea | NOEC | US EPA | 1.17 mg/l | 7 day(s) | Ceriodaphnia dubia | | Fresh water | Read-across; Reproduction |

ethylbenzene

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|---|-----------|--------------|---------------------|-----------|---------------------------|--------------------|------------------|----------------------------------|
| Acute toxicity fishes | LC50 | OECD 203 | 4.2 mg/l | 96 h | Salmo gairdneri | Semi-static system | Fresh water | Experimental value |
| Acute toxicity crustacea | EC50 | US EPA | 1.8 mg/l - 2.4 mg/l | 48 h | Daphnia magna | Static system | Fresh water | Experimental value |
| Toxicity algae and other aquatic plants | EC50 | OECD 201 | 4.6 mg/l | 72 h | Selenastrum capricornutum | | | Experimental value; Growth rate |
| Long-term toxicity fish | ChV | ECOSAR v1.00 | 1.13 mg/l | 30 day(s) | Pisces | | | QSAR |
| Long-term toxicity aquatic crustacea | NOEC | US EPA | 1 mg/l | 7 day(s) | Ceriodaphnia dubia | Semi-static system | Fresh water | Experimental value; Reproduction |
| Toxicity aquatic micro-organisms | EC50 | | 96 mg/l | 24 h | Nitrosomonas | | | Experimental value |

polymethylene polyphenyl isocyanate

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|--|-----------|----------|-------------|----------|------------------|-------------|------------------|---------------------|
| Acute toxicity other aquatic organisms | LC50 | | > 1000 mg/l | 96 h | | | | Literature study |
| Toxicity aquatic micro-organisms | EC50 | OECD 209 | > 100 mg/l | | Activated sludge | | | Literature study |

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

xylene

Biodegradation water

| Method | Value | Duration | Value determination |
|----------------------------------|-------|-----------|---------------------|
| OECD 301: Ready Biodegradability | 100 % | 12 day(s) | Experimental value |

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ethylbenzene

Biodegradation water

| Method | Value | Duration | Value determination |
|-----------|------------------|-----------|---------------------|
| ISO 14593 | 70 % - 80 %; GLP | 28 day(s) | Experimental value |

Phototransformation air (DT50 air)

| Method | Value | Conc. OH-radicals | Value determination |
|--------|------------|-------------------------|---------------------|
| | 2.3 day(s) | 500000 /cm ³ | Literature study |

polymethylene polyphenyl isocyanate

Biodegradation water

| Method | Value | Duration | Value determination |
|---|--------|----------|---------------------|
| OECD 302C: Inherent Biodegradability: Modified MITI Test (II) | < 60 % | | Experimental value |

Conclusion

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

Soudal PRO 40 P

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|--------------------------|-------|-------------|---------------------|
| | Not applicable (mixture) | | | |

xylene

BCF fishes

| Parameter | Method | Value | Duration | Species | Value determination |
|-----------|--------|--------|-----------|---------------------|---------------------|
| BCF | | 7 - 26 | 8 week(s) | Oncorhynchus mykiss | Experimental value |

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|--------|-------|-------------|-----------------------|
| | | 3.2 | 20 °C | Conclusion by analogy |

ethylbenzene

BCF fishes

| Parameter | Method | Value | Duration | Species | Value determination |
|-----------|--------|-------|-----------|----------------------|---------------------|
| BCF | | 1 | 6 week(s) | Oncorhynchus kisutch | Literature study |

BCF other aquatic organisms

| Parameter | Method | Value | Duration | Species | Value determination |
|-----------|--------|-------|----------|------------------|---------------------|
| BCF | | 4.68 | | Lamelibranchiata | Literature study |

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|---------------|--------|-------|-------------|---------------------|
| EU Method A.8 | | 3.6 | 20 °C | Experimental value |

polymethylene polyphenyl isocyanate

BCF fishes

| Parameter | Method | Value | Duration | Species | Value determination |
|-----------|--------|-------|----------|---------|---------------------|
| BCF | | 1 | | Pisces | Literature study |

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|-------------------|-------|-------------|---------------------|
| | No data available | | | |

Conclusion

Contains bioaccumulative component(s)

12.4. Mobility in soil

ethylbenzene

(log) Koc

| Parameter | Method | Value | Value determination |
|-----------|----------------|-------|---------------------|
| log Koc | PCKOCWIN v1.66 | 2.71 | QSAR |

Conclusion

Contains component(s) with potential for mobility in the soil

Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

Soudal PRO 40 P

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Soudal PRO 40 P

xylene
Groundwater
Groundwater pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Incinerate under surveillance with energy recovery. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|------------------------------|--|
| Hazard identification number | |
| Class | |
| Classification code | |

14.4. Packing group

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6. Special precautions for user

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | |

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

| | |
|--------------------------|---|
| Annex II of MARPOL 73/78 | Not applicable, based on available data |
|--------------------------|---|

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European legislation:

VOC content Directive 2010/75/EU

| VOC content | Remark |
|------------------------|--------|
| 4.266 % - 8.16 % | |
| 46.926 g/l - 89.76 g/l | |

Indicative occupational exposure limit values (Directive 98/24/EC, 2000/39/EC and 2009/161/EU)

| Product name | Skin resorption |
|-----------------------------|-----------------|
| Ethylbenzene | Skin |
| Xylene, mixed isomers, pure | Skin |

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

| | Designation of the substance, of the group of substances or of the mixture | Conditions of restriction |
|---|--|--|
| ethylbenzene polymethylene polyphenyl isocyanate | Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard | 1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, |

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| | | |
|--|---|---|
| | <p>classes or categories set out in Annex I to Regulation (EC) No 1272/2008:</p> <p>(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;</p> <p>(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;</p> <p>(c) hazard class 4.1;</p> <p>(d) hazard class 5.1.</p> | <p>— games for one or more participants, or any article intended to be used as such, even with ornamental aspects,</p> <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:</p> <p>— can be used as fuel in decorative oil lamps for supply to the general public, and,</p> <p>— present an aspiration hazard and are labelled with R65 or H304,</p> <p>4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).</p> <p>5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:</p> <p>a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage”;</p> <p>b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: “Just a sip of grill lighter may lead to life threatening lung damage”;</p> <p>c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.</p> <p>6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.</p> <p>7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.’</p> |
| <p>xylene ethylbenzene</p> | <p>Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.</p> | <p>1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:</p> <ul style="list-style-type: none"> — metallic glitter intended mainly for decoration, — artificial snow and frost, — “whoopee” cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs. <p>2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:</p> <p>“For professional users only”.</p> <p>3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.</p> <p>4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.</p> |
| <p>polymethylene polyphenyl isocyanate</p> | <p>Methylenediphenyl diisocyanate (MDI) including the following specific isomers: 4,4'-Methylenediphenyl diisocyanate; 2,4'-Methylenediphenyl diisocyanate; 2,2'-Methylenediphenyl diisocyanate</p> | <p>1. Shall not be placed on the market after 27 December 2010, as a constituent of mixtures in concentrations equal to or greater than 0,1 % by weight of MDI for supply to the general public, unless suppliers shall ensure before the placing on the market that the packaging:</p> <p>(a) contains protective gloves which comply with the requirements of Council Directive 89/686/EEC;</p> <p>(b) is marked visibly, legibly and indelibly as follows, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures:</p> <p>“— Persons already sensitised to diisocyanates may develop allergic reactions when using this product.</p> <p>— Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.</p> <p>— 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.</p> <p>2. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.</p> |

National legislation Belgium

Soudal PRO 40 P

No data available

xylene

Résorption peau

Xylène, isomères mixtes, purs; D; La mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air.

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ethylbenzene

| | |
|-----------------|---|
| Résorption peau | Ethylbenzène; D; La mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. |
|-----------------|---|

National legislation The Netherlands

Soudal PRO 40 P

| | |
|----------------------|-------|
| Waterbezwaarlijkheid | B (3) |
|----------------------|-------|

xylene

| | |
|--|--|
| Huidopname (wettelijk) | Xyleen (o-,m- en p-isomeren); H |
| SZW - Lijst van voor de voortplanting giftige stoffen (ontwikkeling) | xyleen; 2; Suspected of damaging the unborn child. |

ethylbenzene

| | |
|------------------------|-----------------|
| Huidopname (wettelijk) | Ethylbenzeen; H |
|------------------------|-----------------|

National legislation France

Soudal PRO 40 P

No data available

xylene

| | |
|----------------------------------|------------------------------------|
| Risque de pénétration percutanée | Xylènes, isomères mixtes, purs; PP |
|----------------------------------|------------------------------------|

ethylbenzene

| | |
|----------------------------------|------------------|
| Risque de pénétration percutanée | Ethylbenzène; PP |
|----------------------------------|------------------|

polymethylene polyphenyl isocyanate

| | |
|-----------------------|--|
| Catégorie cancérogène | 4,4'-Diisocyanate de diphenylméthane; C2 |
|-----------------------|--|

National legislation Germany

Soudal PRO 40 P

| | |
|-----|---|
| WGK | 2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4) and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) of 18 April 2017 |
|-----|---|

xylene

| | |
|---------|----------|
| TA-Luft | 5.2.5; I |
|---------|----------|

ethylbenzene

| | |
|---------------------------------------|--|
| TA-Luft | 5.2.5; I |
| TRGS900 - Risiko der Fruchtschädigung | Ethylbenzol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden |
| Hautresorptive Stoffe | Ethylbenzol; H; Hautresorptiv |

polymethylene polyphenyl isocyanate

| | |
|---------------------------------------|--|
| TA-Luft | 5.2.5; I |
| TRGS900 - Risiko der Fruchtschädigung | 4,4'-Methyldiphenyldiisocyanat; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden pMDI (als MDI berechnet); Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden |
| Sensibilisierende Stoffe | 4,4'-Methyldiphenyldiisocyanat; Sah; Atemwegssensibilisierende Stoffe Und Hautsensibilisierende Stoffe, an beiden Zielorganen Allergien auslösende pMDI (als MDI berechnet); Sa; Atemwegssensibilisierende Stoffe |
| TRGS905 - Krebserzeugend | Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); 2 |
| TRGS905 - Erbgutverändernd | Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); - |
| TRGS905 - Fruchtbarkeitsgefährdend | Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); - |
| TRGS905 - Fruchtschädigend | Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); - |
| Hautresorptive Stoffe | 4,4'-Methyldiphenyldiisocyanat; H; Hautresorptiv pMDI (als MDI berechnet); H; Hautresorptiv |

National legislation United Kingdom

Soudal PRO 40 P

No data available

xylene

| | |
|-----------------|---------------------------------------|
| Skin absorption | Xylene, o-,m-,p- or mixed isomers; Sk |
|-----------------|---------------------------------------|

ethylbenzene

| | |
|-----------------|------------------|
| Skin absorption | Ethylbenzene; Sk |
|-----------------|------------------|

polymethylene polyphenyl isocyanate

| | |
|---------------------------|--|
| Skin Sensitisation | Isocyanates, all (as -NCO) Except methyl isocyanate; Sen |
| Respiratory sensitisation | Isocyanates, all (as -NCO) Except methyl isocyanate; Sen |

Other relevant data

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No data available

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xylene

| | |
|-----------------------|--------------------------|
| IARC - classification | 3; Xylenes |
| TLV - Carcinogen | Xylene (all isomers); A4 |

ethylbenzene

| | |
|-----------------------|-------------------|
| IARC - classification | 2B; Ethylbenzene |
| TLV - Carcinogen | Ethyl benzene; A3 |

polymethylene polyphenyl isocyanate

| | |
|-----------------------|--|
| IARC - classification | 3; Polymethylene polyphenyl isocyanate |
|-----------------------|--|

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
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.
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 if inhaled.
H373 May cause damage to organs (ears (hearing damage)) through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

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| (*) | INTERNAL CLASSIFICATION BY BIG |
| CLP (EU-GHS) | Classification, labelling and packaging (Globally Harmonised System in Europe) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No Effect Level |
| EC50 | Effect Concentration 50 % |
| ErC50 | EC50 in terms of reduction of growth rate |
| LC50 | Lethal Concentration 50 % |
| LD50 | Lethal Dose 50 % |
| NOAEL | No Observed Adverse Effect Level |
| NOEC | No Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent, Bioaccumulative & Toxic |
| PNEC | Predicted No Effect Concentration |
| STP | Sludge Treatment Process |
| vPvB | very Persistent & very Bioaccumulative |

Specific concentration limits CLP

| | | | |
|-------------------------------------|-----------|-------------------|-----------------------|
| polymethylene polyphenyl isocyanate | C ≥ 5 % | Eye Irrit 2;H319 | analogous to Annex VI |
| | C ≥ 5 % | Skin Irrit 2;H315 | analogous to Annex VI |
| | C ≥ 0.1 % | Resp Sens 1;H334 | analogous to Annex VI |
| | C ≥ 5 % | STOT SE 3;H335 | analogous to Annex VI |

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