

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Soudal Primer 100

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

1.1. Product identifier

Product name Registration number REACH Product type REACH : Soudal Primer 100 : Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses Primer

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

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com

Manufacturer of the product

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout T +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 dange | erous according to the | <mark>e criteria of Regulation (</mark> EC) No 1272/2008 |
|---------------------|--------------------------|--|
| Class | Category | Hazard statements |
| Flam. Liq. | category 3 | H226: Flammable liquid and vapour. |
| Skin Sens. | categ <mark>ory 1</mark> | H317: May cause an allergic skin reaction. |
| Acute Tox. | categ <mark>ory 4</mark> | H332: Harmful if inhaled. |
| STOT RE | category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |
| Eye Irrit. | categ <mark>ory 2</mark> | H319: Causes serious eye irritation. |
| STOT SE | category 3 | H335: May cause respiratory irritation. |
| STOT SE | category 3 | H336: May cause drowsiness or dizziness. |
| Aquatic Chronic | categ <mark>ory 2</mark> | H411: Toxic to aquatic life with long lasting effects. |

2.2. Label elements



Contains: diethylmethylbenzenediamine; 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate; hydrocarbons, C9, aromatics; 3isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers. Signal word Warning H-statements H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H319 Causes serious eye irritation. Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG) Publication date: 2006-12-14 Technische Schoolstraat 43 A, B-2440 Geel Date of revision: 2018-01-10 http://www.big.be © BIG vzw

Reason for revision: 15.1 Revision number: 0402 134-15960-598-en

| H335 | May cause respiratory irritation. |
|--------------------------|--|
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| P-statements | |
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P280 | Wear protective gloves, protective clothing and eye protection/face protection. |
| P260 | Do not breathe vapours. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulation. |
| Supplemental information | n |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

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 |
|--|----------------|--------------------------|---|--|---------------|--------------------------------|
| diethylmethylbenzenediamine | | 68479-98-1 270-877-4 | | Acute Tox. 4; H312 Acute Tox. 4; H302 STOT RE 2; H373 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | (1)(10) | Multi-constituent substance |
| 1,6-hexanediyl-bis(2-(2-(1-ethyl oxazolidinyl)ethyl)carbamate 01-0000015906-63 | | 140921-24-0 411-700-4 | 0.1% <c<1%< td=""><td>Skin Sens. 1; H317</td><td>(1)</td><td>Constituent</td></c<1%<> | Skin Sens. 1; H317 | (1) | Constituent |
| hydrocarbons, C9, aromatics 01-2119455851-35 | | | | Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 | (1)(10) | UVCB |
| 3-isocyanatomethyl-3,5,5-trime isocyanate 01-2119490408-31 | , , , | 4098-71-9 223-861-6 | | Acute Tox. 1; H330 Resp. Sens. 1; H334 Skin Sens. 1; H317 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Chronic 2; H411 | (1)(2)(8)(10) | Constituent |
| 3-isocyanatomethyl-3,5,5-trime isocyanate, oligomers 01-2119488734-24 | thylcyclohexyl | | | Skin Sens. 1; H317 STOT SE 3; H335 | (1) | Polymer |
| (benzene, conc<0.1%) | | | | | | |

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

(2) Substance with a Community workplace exposure limit

(8) Specific concentration limits, see heading 16 (10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

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.

Reason for revision: 15.1

Publication date: 2006-12-14 Date of revision: 2018-01-10

Revision number: 0402

Product number: 44711

After skin contact:

Wash immediately with lots of water. Take victim to a doctor if irritation persists.

After eye contact:

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. 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:

 Irritation of the respiratory tract. Irritation of the nasal mucous membranes. EXPOSURE TO HIGH CONCENTRATIONS: Narcosis.

 After skin contact:

 ON CONTINUOUS EXPOSURE/CONTACT: Tingling/irritation of the skin. Dry skin. Cracking of the skin.

 After eye contact:

 Irritation of the eye tissue. Redness of the eye tissue.

 After ingestion:

 No effects known.

 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).

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. 6.1.1 Protective equipment for non-emergency personnel
- See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers. 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.

| 6.4. Reference to other s | ections |
|---------------------------|---------|
| See heading 13. | |
| | |

Reason for revision: 15.1

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. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. 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:

Ventilation at floor level. Keep out of direct sunlight. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, ignition sources.

7.2.3 Suitable packaging material:

Tin.

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.

| | ne | | age exposure limit 8 h | 0.005 ppm |
|--|--|----------------------------|--|------------------------|
| | | Time-weighted avera | age exposure limit 8 h | 0.046 mg/m |
| France | | | | |
| Diisocyanate d'isophoror | าย | Time-weighted avera | 0.01 ppm | |
| | | réglementaire indicat | | |
| | | Time-weighted avera | age exposure limit 8 h (VL: Valeur non | 0.09 mg/m ³ |
| | | réglementaire indicat | | |
| | | | Valeur non réglementaire indicative) | 0.02 ppm |
| | | Short time value (VL: | Valeur non réglementaire indicative) | 0.18 mg/m ³ |
| Germany | | | | |
| 3-Isocyanatmethyl-3,5,5- | -trimethylcyclohexylisocyanat | Time-weighted avera | age exposure limit 8 h (TRGS 900) | 0.005 ppm |
| | | Time-weighted avera | age exposure limit 8 h (TRGS 900) | 0.046 mg/m |
| ИК | | | | |
| |) Except methyl isocyanate | Time-weighted avera | age exposure limit 8 h (Workplace exposure limit | 0.02 mg/m ³ |
| | | (EH40/2005)) | | |
| | | Short time value (Wo | orkplace exposure limit (EH40/2005)) | 0.07 mg/m ³ |
| USA (TLV-ACGIH) | | | | |
| Isophorone diisocyanate | | Time-weighted avera | age exposure limit 8 h (TLV - Adopted Value) | 0.005 ppm |
| <u> </u> | | | | 0.005 ppm |
| b) National biological lin | | ad hadaaa | | |
| .1.2 Sampling methods | ble and available these will be liste | a below. | | |
| Product name | | Test | Number | |
| 1,5-Naphthalene diisocy | anata (Glycols) | NIOSH | 5525 | |
| 1,6-Hexamethylene diiso | | NIOSH | 5525 | |
| | nexylsocyanate) (Glycols) | NIOSH | 5525 | |
| 4,4'-Methylenebis(cyclor | | NIOSH | 5525 | |
| Isophorone diisocyanate | | NIOSH | 5525 | |
| | | OSHA | 2034 | |
| | | | 5525 | |
| Isophorone Diisocyanate | (Glycols) | NIOSH | 5525 | |
| | | NIOSH | 5525 | |
| lsophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate | e (Glycols) | NIOSH | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values | e (Glycols) when using the substance or mix | NIOSH xture as intended | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values | e (Glycols) | NIOSH xture as intended | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values If limit values are applica | e (Glycols) when using the substance or mix | NIOSH xture as intended | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values If limit values are applica 1.4 DNEL/PNEC values | e (Glycols) when using the substance or mix | NIOSH xture as intended | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values If limit values are applica 1.4 DNEL/PNEC values | e (Glycols) when using the substance or mix | NIOSH xture as intended | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values If limit values are applica 1.4 DNEL/PNEC values | e (Glycols) when using the substance or mix | NIOSH xture as intended | | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values If limit values are applica 1.4 DNEL/PNEC values DNEL/DMEL - Workers | e (Glycols) when using the substance or mix | NIOSH xture as intended | 5525 | |
| Isophorone Diisocyanate Toluene 2,4-diisocyanate Toluene 2,6-diisocyanate 1.3 Applicable limit values If limit values are applica 1.4 DNEL/PNEC values DNEL/DMEL - Workers | e (Glycols) when using the substance or mix | NIOSH xture as intended | 5525 Publication date: 2006-12-14 | |
| Isophorone Diisocyanate | | | LLJL | |

| <u>ethylmethylbenzenedi<mark>amir</mark> Effect level (DNEL/DMEL)</u> | Туре | | Value | Remark |
|--|--|---|-------------------------|--------|
| DNEL | Long-term s | systemic effects inhalation | 0.13 mg/m ³ | |
| | | systemic effects dermal | 1 mg/kg bw/day | |
| drocarbons, C9, aromatics | | | | |
| Effect level (DNEL/DMEL) | Туре | | Value | Remark |
| DNEL | Long-term s | systemic effects inhalation | 150 mg/m ³ | |
| L | | s <mark>ystemic effe</mark> cts dermal | 25 mg/kg bw/day | |
| isocyanatomethyl-3,5,5-tri | nethylcyclohexyl iso | cyanate | | |
| Effect level (DNEL/DMEL) | Туре | | Value | Remark |
| DNEL | | ocal effects inhalation | 0.045 mg/m ³ | |
| | | effects inhalation | 0.045 mg/m³ | |
| isocyanatomethyl-3,5,5-tri | | cyanate, oligomers | | |
| Effect level (DNEL/DMEL) | Туре | | Value | Remark |
| DNEL | | ocal effects inhalation | 0.29 mg/m ³ | |
| | | effects inhalation | 0.58 mg/m ³ | |
| NEL/DMEL - General popul | | | | |
| ethylmethylbenzenediamir | | | | |
| Effect level (DNEL/DMEL) | Туре | | Value | Remark |
| DNEL | | systemic effects inhalation | 0.1 mg/m ³ | |
| 1 | | systemic effects dermal | 1 mg/kg bw/day | |
| | | systemic effects oral | 0.1 mg/kg bw/day | |
| drocarbons, C9, aromatics | | | | |
| Effect level (DNEL/DMEL) | Туре | | Value | Remark |
| DNEL | | systemic effects inhalation | 32 mg/m ³ | |
| 1 | | systemic effects dermal | 11 mg/kg bw/day | |
| | Long-term s | systemic effects oral | 11 mg/kg bw/day | |
| NEC | | | | |
| ethylmethylbenzenediamir | <u>.e</u> | | | |
| Compartments | | Value | Remark | |
| Fresh water | | 0.001 mg/l | | |
| Marine water | | 0 mg/l 0.005 mg/l | | |
| Agus lintermittent release | | 0.005 mg/l | | |
| Aqua (intermittent releases | 5) | | | |
| STP | 5) | 17 mg/l | | |
| STP Fresh water sediment | | 17 mg/l 0.029 mg/kg sediment dw | | |
| STP Fresh water sediment Marine water sedimen <mark>t</mark> | | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw | | |
| STP Fresh water sediment Marine water sediment Soil | | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw | | |
| STP Fresh water sediment Marine water sediment Soil Oral | | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food | | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii | | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate | Bomark | |
| STP Fresh water sediment Marine water sediment Soil Gral Socyanatomethyl-3,5,5-trii Compartments | | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value | Remark | |
| STP Green STP STP STP Stresh water sediment Marine water sediment Soil Soil Stresh water Stresh | | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l | Remark | |
| STP Fresh water sediment Marine water sediment Soil Gral Solution Strengther Strengther Strengther Stresh water Salt water Solution Strengther Stresh | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/l | Remark | |
| STP Image: Stress of the s | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/l 0.003 mg/l | Remark | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/l 0.04 mg/l | Remark | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/l 0.004 mg/l 10.6 mg/l 218.92 mg/kg sediment dw | Remark | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment Marine water sediment | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg 0.06 mg/l 0.04 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw | Remark | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment Marine water sediment Soil | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg 0.004 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw 44.01 mg/kg soil dw | Remark | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release STP Fresh water sediment Marine water sediment Soil isocyanatomethyl-3,5,5-trii | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg sediment dw 2.003 mg/l 0.04 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw 44.01 mg/kg soil dw cyanate, oligomers | | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment Marine water sediment Soil isocyanatomethyl-3,5,5-trii Compartments | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg sediment dw 2.003 mg/l 0.04 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw 44.01 mg/kg soil dw cyanate, oligomers Value | Remark | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment Marine water sediment Soil isocyanatomethyl-3,5,5-trii Gompartments Fresh water sediment Soil isocyanatomethyl-3,5,5-trii Compartments Fresh water | nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg sediment dw 0.06 mg/l 0.003 mg/l 0.04 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw 44.01 mg/kg soil dw cyanate, oligomers Value 0.0015 mg/l | | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment Marine water sediment Soil isocyanatomethyl-3,5,5-trii Gompartments Fresh water sediment Soil isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Salt water | nethylcyclohexyl iso s) nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg sediment dw 0.06 mg/l 0.003 mg/l 0.04 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw 44.01 mg/kg soil dw cyanate, oligomers Value 0.0015 mg/l | | |
| STP Fresh water sediment Marine water sediment Soil Oral isocyanatomethyl-3,5,5-trii Compartments Fresh water Salt water Aqua (intermittent release: STP Fresh water sediment Marine water sediment Soil isocyanatomethyl-3,5,5-trii Gompartments Fresh water sediment Soil isocyanatomethyl-3,5,5-trii Compartments Fresh water | nethylcyclohexyl iso s) nethylcyclohexyl iso | 17 mg/l 0.029 mg/kg sediment dw 0.003 mg/kg sediment dw 5.6 μg/kg soil dw 2 mg/kg food cyanate Value 0.06 mg/l 0.003 mg/kg sediment dw 0.06 mg/l 0.003 mg/l 0.04 mg/l 10.6 mg/l 218.92 mg/kg sediment dw 21.89 mg/kg sediment dw 44.01 mg/kg soil dw cyanate, oligomers Value 0.0015 mg/l | | |

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. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. 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:

Reason for revision: 15.1

Publication date: 2006-12-14

Date of revision: 2018-01-10

Product number: 44711

Gloves.

materials (good resistance)

Polyethylene.

<u>c) Eye protection:</u>
 Face shield.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical form | Viscous liquid |
|---|--|
| Odour | Solvent-like odour |
| Odour threshold | No data available |
| Colour | Variable in colour, depending on the composition |
| Particle size | Not applicable (liquid) |
| Explosion limits | No data available |
| Flammability | Flammable liquid and vapour. |
| 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 | >1 |
| Vapour pressure | No data available |
| Solubility | Water ; insoluble |
| | Organic solvents ; soluble |
| Relative density | 1.01 ; 20 °C |
| Decomposition temperature | No data available |
| Auto-ignition temperatur <mark>e</mark> | No data available |
| Flash point | 47 °C |
| Explosive properties | No chemical group associated with explosive properties |
| Oxidising properties | No chemical group associated with oxidising properties |
| рН | No data available |

9.2. Other information Absolute density

1010 kg/m³ ; 20 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

May be ignited by sparks. No data available.

- 10.2. Chemical stability Stable under normal conditions.
- 10.3. Possibility of hazardous reactions
 - No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system.

10.5. Incompatible materials No data available.

10.6. Hazardous decomposition products

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

Soudal Primer 100

Reason for revision: 15.1

Publication date: 2006-12-14 Date of revision: 2018-01-10

Revision number: 0402

| Route of exposure | e Parametei | Method | Value | Exposure time | Species | Value | Remark |
|--|---|---|---|--|--|--|-------------|
| Oral | LD50 | OECD 401 | 738 mg/kg bw | | Rat (male/female) | determination Experimental value | |
| Dermal | LD50 | OECD 402 | > 2000 mg/kg bw | 24 h | Rat (male/female) | Experimental value | |
| Dermai | LDJU | 0100 402 | | 2411 | | | |
| Inhalation (aeroso | l) LC50 | | > 2.45 mg/l | 1 h | Rat (male/female) | Experimental value | |
| | | debatable as it does n yl)-3-oxazolidinyl)ethy | | e conclusion from th | ie test | | |
| Route of exposure | | | Value | Exposure time | Species | Value | Remark |
| Oral | LD50 | OECD 401 | > 2000 mg/kg bw | | Rat (male/female) | determination Experimental value | |
| rocarbons, C9, aro | matics | | | | | | |
| Route of exposure | | Method | Value | Exposure time | Species | Value | Remark |
| Oral | LD50 | | > 6984 mg/kg bw | | Rat (male) | determination Experimental value | |
| Oral | LD50 | | | | Rat (female) | Experimental value | |
| Urai | LDSU | | 3492 mg/kg bw | | | experimental value | |
| Dermal | LD50 | Equivalent to OECD 402 | > 3160 mg/kg bw | 24 h | Rabbit (male/female) | Experimental value | |
| Inhalation (vapour | rs) LC50 | Equivalent to OECD | > 6.193 mg/l air | 4 h | Rat (male/female) | Experimental value | |
| ocvanatomethyl_2 | 5.5-trimethyle | 403 cyclohexyl isocyanate | | | | L | |
| Route of exposure | | | Value | Exposure time | Species | | Remark |
| Oral | LD50 | Equivalent to OECD | 4814 mg/kg bw | | Rat (male/female) | determination Experimental value | |
| Dormal | LD50 | 401 | | 24 h | | · · | |
| Dermal | LDSU | OECD 402 | > 7000 mg/kg bw | 24 11 | Rat (male/female) | Experimental value | |
| | | | | | | | |
| mful if inhaled. classified as acute | e toxic in conta | | 0.031 mg/l air | 4 h | Rat (male/female) | Experimental value | |
| usion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n | e toxic in conta e toxic if swallc | ct with skin wed | 0.031 mg/l air | 4 h | Rat (male/female) | Experimental value | |
| usion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n sification is based | e toxic in conta e toxic if swalld nixture availab on the relevan | ct with skin wed | 0.031 mg/l air | 4 h | Rat (male/female) | Experimental value | |
| usion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n | e toxic in conta e toxic if swallc nixture availat on the relevan ediamine | ct with skin wed | 0.031 mg/l air | 4 h Time point | Rat (male/female) | Value | Remark |
| usion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n isification is based <u>hylmethylbenzene</u> coute of exposure | e toxic in conta e toxic if swalld nixture availat on the relevan ediamine Result | ct with skin wed ble nt ingredients Method | | Time point | Species | Value determination | |
| usion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n isification is based <u>hylmethylbenzene</u> coute of exposure | e toxic in conta e toxic if swalld nixture availat on the relevan ediamine Result Irritating | ct with skin wed ble nt ingredients Method EPA 16 CFR 1500.42 | Exposure time | Time point 24; 48; 72 hours | Species Rabbit | Value determination Experimental valu | le |
| usion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n isification is based <u>hylmethylbenzene</u> coute of exposure | e toxic in conta e toxic if swalld nixture availat on the relevan ediamine Result | ct with skin wed ble nt ingredients Method EPA 16 CFR 1500.42 | | Time point | Species | Value determination | le |
| usion mful if inhaled. classified as acute classified as acute n/irritation Primer 100 (test)data on the n isification is based hylmethylbenzene Route of exposure ive kin | e toxic in conta e toxic if swalld nixture availat on the relevan ediamine Result Irritating Not irritating 2-(1-ethylpent | ct with skin wed ble nt ingredients Method EPA 16 CFR 1500.42 OECD 404 yl)-3-oxazolidinyl)ethy | Exposure time 4 h | Time point 24; 48; 72 hours 72 hours | Species Rabbit Rabbit | Value determination Experimental valu | le le |
| Iusion mful if inhaled. classified as acute classified as acute n/irritation Primer 100 (test)data on the n isification is based hylmethylbenzene Route of exposure ive kin hexanediyl-bis(2-(Route of exposure | e toxic in conta e toxic if swallc on the relevan ediamine Result Irritating Not irritating 2-(1-ethylpent Result | ct with skin wed ht ingredients Method EPA 16 CFR 1500.42 OECD 404 <u>yl)-3-oxazolidinyl)ethy</u> Method | Exposure time | Time point 24; 48; 72 hours 72 hours Time point | Species Rabbit Rabbit Species | Value determination Experimental value Experimental value Value determination | e Remark |
| Iusion mful if inhaled. classified as acute classified as acute n/irritation Primer 100 (test)data on the n isification is based hylmethylbenzene Route of exposure ive kin hexanediyl-bis(2-(Route of exposure | e toxic in conta e toxic if swalld nixture availat on the relevan ediamine Result Irritating Not irritating 2-(1-ethylpent | ct with skin wed ht ingredients Method EPA 16 CFR 1500.42 OECD 404 <u>yl)-3-oxazolidinyl)ethy</u> Method | Exposure time 4 h | Time point 24; 48; 72 hours 72 hours | Species Rabbit Rabbit Species | Value determination Experimental valu Experimental valu | e Remark |
| Iusion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n isification is based <u>hylmethylbenzene</u> Route of exposure ive kin <u>hexanediyl-bis(2-(</u> Route of exposure | e toxic in conta e toxic if swallc on the relevan ediamine Result Irritating Not irritating 2-(1-ethylpent Result | ct with skin wed ht ingredients EPA 16 CFR 1500.42 OECD 404 <u>yl)-3-oxazolidinyl)ethy</u> Method EU Method B.5 | Exposure time 4 h | Time point 24; 48; 72 hours 72 hours Time point | Species Rabbit Rabbit Species Rabbit Rabbit Rabbit | Value determination Experimental value Experimental value Value determination | e Remark |
| usion mful if inhaled. classified as acute classified as acute n/irritation Primer 100 (test)data on the n isification is based hylmethylbenzene Route of exposure tye | e toxic in conta e toxic if swallc on the relevan ediamine Result Irritating Not irritating 2-(1-ethylpent Result Not irritating | ct with skin wed ht ingredients EPA 16 CFR 1500.42 OECD 404 <u>yl)-3-oxazolidinyl)ethy</u> Method EU Method B.5 | Exposure time 4 h ()carbamate Exposure time | Time point 24; 48; 72 hours 72 hours Time point 24; 48; 72 hours | Species Rabbit Rabbit Species Rabbit Rabbit Rabbit | Value determination Experimental value Experimental value Value determination Experimental value | e Remark |
| Iusion mful if inhaled. classified as acute classified as acute n/irritation <u>Primer 100</u> (test)data on the n isification is based <u>hylmethylbenzene</u> Route of exposure ive kin <u>hexanediyl-bis(2-(</u> Route of exposure | e toxic in conta e toxic if swallc on the relevan ediamine Result Irritating Not irritating 2-(1-ethylpent Result Not irritating | ct with skin wed ht ingredients EPA 16 CFR 1500.42 OECD 404 <u>yl)-3-oxazolidinyl)ethy</u> Method EU Method B.5 | Exposure time 4 h ()carbamate Exposure time | Time point 24; 48; 72 hours 72 hours Time point 24; 48; 72 hours | Species Rabbit Rabbit Species Rabbit Rabbit Rabbit | Value determination Experimental valu Experimental valu Value determination Experimental valu Experimental valu | e Remark |

| | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|--|--|--|---|--|---|--|------------------|
| уе | Not irritating | Equivalent to | | 1; 24; 48; 72 hours | s Rabbit | Experimental value | |
| kin | Slightly <mark>irritatin</mark> | OECD 405 g OECD 404 | 4 h | 24; 48; 72 hours | Rabbit | Experimental value | |
| halation | Irritatin <mark>g;</mark> | | | | | Expert judgement | |
| | STOT SE cat.3 | | | | | | |
| oute of exposure | | clohexyl isocyanate Method | Exposure time | Time point | Species | Value | Remark |
| ye | Highly irritating | | 30 seconds | 24; 48; 72 hours | Rabbit | determination Experimental value | |
| - | | OECD 405 | SU SECONUS | 24, 48, 72 110013 | Nabbit | | |
| kin | Irritatin <mark>g;</mark> category 2 | | | | | Annex VI | |
| nhalation (aerosol |)Highly irritating | ; Human observation study | 1 minutes - 5 minutes | | Human | Experimental value | |
| | | ording to Annex VI is de | | not correspond to th | e conclusion from | n the test | |
| | | clohexyl isocyanate, oli | gomers Exposure time | Time naint | Creation | Mahua | Damaark |
| oute of exposure | Result | Method | exposure time | Time point | Species | Value determination | Remark |
| halation | Irritatin <mark>g;</mark> | | | | | Literature study | |
| | STOT SE cat.3 | | | | | | |
| <u>Primer 100</u> | | | | | | | |
| test)data on the r sification is based | on the r <mark>elevant</mark> | | | | | | |
| • | on the r <mark>elevant</mark> | | Exposure time | Observation time point | Species | Value determination | Remark |
| sification is based <u>hylmethylbenzen</u> bute of exposure in | on the r <mark>elevant</mark> ediamine Result Not sens <mark>itizing</mark> | ingredients Method | | | Species Guinea pig | Value determination Experimental value | Remark |
| sification is based hylmethylbenzene oute of exposure in hexanediyl-bis(2-(| on the relevant ediamine Result Not sensitizing (2-(1-ethylpentyl | ingredients Method)-3-oxazolidinyl)ethyl)ci | arbamate | point 24; 48 hours | Guinea pig | Experimental value | |
| sification is based hylmethylbenzend oute of exposure in hexanediyl-bis(2-(oute of exposure | on the relevant ediamine Result Not sensitizing (2-(1-ethylpentyl Result | Ingredients Method -3-oxazolidinyl)ethyl)ca Method | | point 24; 48 hours Observation time point | Guinea pig | Experimental value | |
| sification is based hylmethylbenzend oute of exposure in hexanediyl-bis(2-(oute of exposure in | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing | ingredients Method)-3-oxazolidinyl)ethyl)ci | arbamate | point 24; 48 hours Observation time | Guinea pig | Experimental value | |
| sification is based hylmethylbenzend oute of exposure in hexanediyl-bis(2-(oute of exposure | on the relevant ediamine Result Not sensitizing (2-(1-ethylpentyl Result Sensitizing omatics | Ingredients Method -3-oxazolidinyl)ethyl)ca Method | arbamate | point 24; 48 hours Observation time point | Guinea pig Species Guinea pig | Experimental value | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure | on the relevant ediamine Result Not sensitizing (2-(1-ethylpentyl Result Sensitizing omatics | ingredients Method)-3-oxazolidinyl)ethyl)c: Method EU Method B.6 | arbamate Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time | Guinea pig Species Guinea pig (male/female) | Experimental value Value determination Experimental value | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure in boyanatomethyl-3 | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing | ingredients Method -3-oxazolidinyl)ethyl)c: Method EU Method B.6 Method OECD 406 clohexyl isocyanate | arbamate Exposure time Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time point 24; 48 hours | Guinea pig Species Guinea pig (male/female) Species Guinea pig (female) | Experimental value Value determination Experimental value Value determination Experimental value | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure in boyanatomethyl-3 oute of exposure | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing 3,5,5-trimethylcy Result | ingredients Method J-3-oxazolidinyl)ethyl)cr Method EU Method B.6 Kethod OECD 406 Clohexyl isocyanate Method | arbamate Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time point 24; 48 hours Observation time point 04; 48 hours Observation time point 05 <td>Guinea pig Species Guinea pig (male/female) Species Guinea pig (female) Species Species</td> <td>Experimental value Value determination Experimental value Value determination Experimental value Value determination Value determination</td> <td>Remark</td> | Guinea pig Species Guinea pig (male/female) Species Guinea pig (female) Species Species | Experimental value Value determination Experimental value Value determination Experimental value Value determination Value determination | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure in ocyanatomethyl-3 oute of exposure in | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing 3,5,5-trimethylcy Result Sensitizing | ingredients Method -3-oxazolidinyl)ethyl)ca Method EU Method B.6 EU Method B.6 Clohexyl isocyanate Method OECD 406 OECD 406 | arbamate Exposure time Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time point 24; 48 hours Observation time point 04; 48 hours Observation time point 04; 48 hours 05 04; 48 hours 05 | Guinea pig Species Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig (female) Guinea pig | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure in boyanatomethyl-3 oute of exposure | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing 3,5,5-trimethylcy Result Sensitizing | ingredients Method EU Method B.6 EU Method B.6 Method OECD 406 Clohexyl isocyanate Method OECD 406 Equivalent to OECD | arbamate Exposure time Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time point 24; 48 hours Observation time point 04; 48 hours Observation time point 05 <td>Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig Guinea pig</td> <td>Experimental value Value determination Experimental value Value determination Experimental value Value determination Value determination</td> <td>Remark</td> | Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig Guinea pig | Experimental value Value determination Experimental value Value determination Experimental value Value determination Value determination | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure in ocyanatomethyl-3 oute of exposure in | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing 3-5.5-trimethylcy Result Sensitizing Negative | ingredients Method -3-oxazolidinyl)ethyl)ca Method EU Method B.6 EU Method B.6 Clohexyl isocyanate Method OECD 406 OECD 406 | arbamate Exposure time Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time point 24; 48 hours Observation time point 04; 48 hours Observation time point 05 <td>Guinea pig Species Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig (female) Guinea pig</td> <td>Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value</td> <td>Remark</td> | Guinea pig Species Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig (female) Guinea pig | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(joute of exposure in roccarbons, C9, arc oute of exposure in boyte of exposure in boyte of exposure in halation (aerosol) | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing 3,5,5-trimethylcy Result Sensitizing Negative Positive | ingredients Method Description Method EU Method B.6 EU Method B.6 Clohexyl isocyanate Method OECD 406 Clohexyl isocyanate Method OECD 406 Equivalent to OECD 403 | Exposure time Exposure time Exposure time | point 24; 48 hours Observation time point 24; 48 hours Observation time point 24; 48 hours Observation time point 04; 48 hours Observation time point 05 <td>Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig Guinea pig (female)</td> <td>Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value</td> <td>Remark</td> | Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig Guinea pig (female) | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value | Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(joute of exposure in roccarbons, C9, arc oute of exposure in boyte of exposure in boyte of exposure in halation (aerosol) | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing s,5,5-trimethylcy Positive 3,5,5-trimethylcy | ingredients Method EU hod EU Method B.6 EU Method B.6 CED 406 CED 406 CED 406 CED 406 Equivalent to OECD 403 Human observation | Exposure time Exposure time Exposure time | point 24; 48 hours Observation time point 24; 48 hours | Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig Guinea pig (female) | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value | Remark Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(joute of exposure in rocarbons, C9, arc oute of exposure in balation (aerosol) halation (aerosol) balation (aerosol) | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing s,5,5-trimethylcy Positive 3,5,5-trimethylcy | ingredients Method Decode and a second a seco | Exposure time Exposure time Exposure time Exposure time Exposure time | point 24; 48 hours Observation time point 0bservation time point 0bservation time point | Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig Guinea pig (female) Human (male) | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value Experimental value | Remark Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in roccarbons, C9, arc oute of exposure in balation (aerosol) halation (aerosol) boyanatomethyl-3 oute of exposure in | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing positive Positive positive Sensitizing Negative Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing Sensitizing | ingredients Method Decode and a second sec | Exposure time Exposure time Exposure time Exposure time Exposure time | point 24; 48 hours Observation time point 0bservation time point 0bservation time point | Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig (female) Human (male) Species | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value Experimental value Experimental value Experimental value Experimental value | Remark Remark |
| sification is based hylmethylbenzen oute of exposure in hexanediyl-bis(2-(oute of exposure in rocarbons, C9, arc oute of exposure in balation (aerosol) halation (aerosol) halation (aerosol) boyanatomethyl-3 oute of exposure in halation (aerosol) boyanatomethyl-3 oute of exposure in cause an allergic classified as sensi arget organ toxici | on the relevant ediamine Result Not sensitizing 2-(1-ethylpentyl Result Sensitizing matics Result Not sensitizing s,5,5-trimethylcy Result Sensitizing Negative Positive positive skin reaction. itizing for inhalat ity ixture available | Impredients Method J-3-oxazolidinyl)ethyl)cz Method EU Method B.6 DECD 406 OECD 406 OECD 406 Equivalent to OECD 406 OECD 406 Dector 406 OECD 429 OECD 429 | Exposure time Exposure time Exposure time Exposure time Exposure time | point 24; 48 hours Observation time point 0bservation time point 0bservation time point | Guinea pig Guinea pig Guinea pig (male/female) Species Guinea pig (female) Species Guinea pig Guinea pig (female) Human (male) Species | Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Experimental value Experimental value Experimental value Experimental value Experimental value | Remark Remark |

| Boute of seposure Parameter Method Value Organ Effect Eposure time Species Value Orall (dist) NOACL Equivalent to 8 mm/get No effect 0 dar(s) Rat (maid) Experimental value Oral LOALL Equivalent to 8 Parameter value Rate (maid) | Oral (diet) | ווומומין | eter | Method | Value | Organ | Effect | Exposure time | Species | Value |
|---|---|---|--|--|----------------------------------|---|--|---|---|---|
| Op/Edit Op/Edit 408 Workfahr Arrow organ Meight model Bit display Bit display <th< th=""><th></th><th></th><th></th><th></th><th></th><th>Organ</th><th></th><th></th><th></th><th>determinati</th></th<> | | | | | | Organ | | | | determinati |
| Drail OARL Equivalent to 21 mg/kg Value or color or ann vectorian Sectiment vectorian Orail OARL Equivalent to 83 wg/kg values or gam vectorian Sectiment vectorian Sectiment vectorian Orail OARL Equivalent to 83 wg/kg values or gam vectorian Sectiment vectorian Sectiment vectorian Orail NoARL Subchronic Statematics Reparameter Sectiment vectorian Orai (stomach NOARL Subchronic Organ Effect Exposure time Specifies Maler Orai (stomach NOARL Equivalent to 000 mg/kg No effect 33 weeks (shift) Red Red Orai (stomach NOARL Equivalent to 000 mg/kg No effect 33 weeks (shift) Red Red Orai (stomach NOARL Equivalent to 000 mg/kg No effect 33 weeks (shift) Red Red Orai (stomach NOARL Equivalent to 000 mg/kg No effect 33 weeks (shift) Red Red Orai (stomach NOARL Equivalent to 000 mg/kg No effect 32 weeks (shift) Red Red Road effectorian NOARL Equivalent to 000 mg/kg No effect 32 weeks (shift) Red Red Road effectorian NoARL | Oral | NOAEL | | | | | No effect | 90 day(s) | Rat (male) | |
| Oral LOALL Equivalent to 27 mg/mg Annous organ: Weight medicition Bit days() Fast fremale) Separiment Dermal NOATL Subchronic 100 mg/l No offect 3 weeks (5) Rabit Experiment Bodie of supsure Parameter Motor Subces (5) Rabit Experiment Oral (stormat.) NOAEL Equivalent to 600 mg/kg No effect 3 weeks (6) Rabit Rabit <td>1</td> <td>LOAEL</td> <td></td> <td></td> <td>21 mg/kg</td> <td>Various organs</td> <td></td> <td>90 day(s)</td> <td>Rat (male)</td> <td>•</td> | 1 | LOAEL | | | 21 mg/kg | Various organs | | 90 day(s) | Rat (male) | • |
| Dermal NOAEL Subchronic 120 mg/l No effect avere/s (5, ray, verse) Rubble Speciment Route of seposure Parameter Method Value Parameter P | Oral | LOAEL | | Equivalent to | 27 mg/kg | Various organs | Weight | 90 day(s) | Rat (female) | Experiment |
| Noncons. CD. Journaliss Value Drgin Effect Exposure line Species Value determination Brade of exposure Parameter No AGEL Equivalent to 500 mg/rs No effect 13 weeks (daily) Ret mail (mail of the parameter) Data avaiving Durp of (stome) OCC 0 408 500 mg/rs ² at No effect 32 weeks (daily) Ret Freed across (mail of the parameter) Data avaiving Inhubition NOAEC Equivalent to 1800 mg/rs ² at No effect Species Species Value Brade of exposure Parameter Method Value Organ Effect Exposure line Species Value Inhubition NOAEC OCC 0 432 0.24 mg/rs ² at No effect 33 weeks (Gi/day, 5 Rat Experiment Value State Deprimenter Value Depremail No effect 13 | Dermal | NOAEL | | Subchronic | | | | | | Experimenta |
| Boute of exposure Parameter Veltido Value Organ Effect Exposure time Species Value Oral (comach (ubo) NO ACC 0.08 pr/day No effect 13 weeks (daily) Rad Accross (rade/(rmale) Data waitus (rade/(rmale) Data matus (rade/(rmale) Data waitus (rade/(rmale) <td>vdrocarbons, C9, aro</td> <td>matics</td> <td></td> <td> ,</td> <td></td> <td></td> <td>I</td> <td>[··/·/</td> <td>p : -, ·</td> <td></td> | vdrocarbons, C9, aro | matics | | , | | | I | [··/·/ | p : -, · | |
| Draft (somach NGAEL Equivalent to GO mg/kg No effect 13 weeks (daily) Rat Read-across Dermal Core 068 bw/day No effect 13 weeks (daily) Rat Read-across Dermal Core 068 bw/day No effect 12 weeks (daily) Rat Read-across Dermal Core 068 bw/day No effect 12 weeks (daily) Rat Read-across Dermal Core 068 bw/day No effect 12 weeks (daily) Rat Read-across Dervalue Dervalue Organ Effect Exponence Sec(organ/week) Mate Inhalation NOAEC OECD 412 0.24 mg/m ² air Harrow No effect A weeks (daily) Rat Sec(organ/week) Inhalation NOAEC OECD 412 1.05 mg/m ² air Harrow No effect 13 weeks (daily) Rat Sec(organ/week) Inhalation NOAEC OECD 413 1.1 mg/m ² air Respiratory No effect 13 weeks (daily) Rat Experiment Inhalation NOAEC OECD 413 1.2 mg/m ² air Respiratory Tritation of the 13 weeks (daily) Rat Experiment Inhalation NOAEC OECD 413 1.2 mg/m ² air | | | eter | Method | Value | Organ | Effect | Exposure time | Species | |
| Inhalation NOACC Equivalent to 1900 mg/m² air (wappurs) No effect 52 weeks (bi/day, 5 Pat (male) alsy/week) Read across disp/week) House of exposure Parameter Method Value Organ Effect Species Value Inhalation NOAEC DECD 412 0.24 mg/m² air text No effect 4 weeks (bi/day, 5 Pat (male) Nate Inhalation NOAEC DECD 412 0.5 mg/m² air Respiratory No effect 4 weeks (bi/day, 5 Pat (male) Nate Inhalation NOAEC DECD 412 0.5 mg/m² air Respiratory No effect 4 weeks (bi/day, 5 Rat Experiment Inhalation NOAEC DECD 413 0.27 mg/m² air Respiratory No effect 13 weeks (bi/day, 5 Rat Experiment Inhalation NOAEC DECD 413 0.27 mg/m² air Barpiratory No effect Exposure time Species Value Rout of exposure Parameter Method Value Organ Effect Exposure time Species Value Alterminati I | | NOAEL | | | | | No effect | 13 weeks (daily) | | |
| Inhalation NOACC Equivalent to 1800 mg/m ² air (yapours) No effect 52 weeks (br/day, 5 Pat (male) Read across (male of caposare Parameter Method Value Route of caposare Parameter Method Value Organ Effect Avees (fr/day, 5 Pat (male) Avata Inhalation NOAEC OECD 412 0.24 mg/m ² air Particle Avees (fr/day, 5 Pat (male) Avata Inhalation LOAEC DECD 412 1.05 mg/m ² air Particle Avees (fr/day, 5 Pat (male) Avata Inhalation LOAEC DECD 413 0.27 mg/m ² air Particle Avees (fr/day, 5 Pat (male) Avata Inhalation NOAEC DECD 413 0.27 mg/m ² air Particle Avata Particle Avata | Dermal | | | | | | | 1 | | Data waivin |
| Image: space of the sposure interval of the sposure of the sposure interval of the sposure of the sposure of the sposure interval of the sposure of the sposure interval of the sposure of the sposure of the sposure interval of the sposure of the | Inhalation | NOAE | 2 | Equivalent to | 1800 mg/m ³ air | · | No effect | 52 weeks (6h/day, 5 | Rat (male) | |
| Route of exposure Parameter Method Value Organ Effect Exposure time Species Value Inhalation NOAEC OECD 412 0.24 mg/m ² air Respiratory No effect 4 week (6) f/dy, 5 Rat Experimenti Inhalation LOAEC OECD 412 1.05 mg/m ² air Respiratory No effect B3 weeks (6)/dy, 5 Rat Experimenti Inhalation NOAEC OECD 413 0.27 mg/m ³ air Respiratory No effect B3 weeks (6)/dy, 5 Rat Experimenti Inhalation LOAEC OECD 413 1.1 mg/m ³ air Respiratory No effect B3 weeks (6)/dy, 5 Rat Experimenti Inhalation LOAEC OECD 413 1.1 mg/m ³ air Respiratory Intration of the 13 weeks (6) Rat Experimenti Note of exposure Parameter Method Value Value Value Value Value Inhalation (dust) LOAEC OECD 413 15 mg/m ³ air Respiratory Inititation of the 13 week(s) Rat | | | | | 0. | | | | . , | |
| Route of exposure Parameter Method Value Organ Effect Exposure time Species Value Inhalation NOAEC OECD 412 0.24 mg/m ² air Respiratory No effect 4 week (6) f/dy, 5 Rat Experimenti Inhalation LOAEC OECD 412 1.05 mg/m ² air Respiratory No effect B3 weeks (6)/dy, 5 Rat Experimenti Inhalation NOAEC OECD 413 0.27 mg/m ³ air Respiratory No effect B3 weeks (6)/dy, 5 Rat Experimenti Inhalation LOAEC OECD 413 1.1 mg/m ³ air Respiratory No effect B3 weeks (6)/dy, 5 Rat Experimenti Inhalation LOAEC OECD 413 1.1 mg/m ³ air Respiratory Intration of the 13 weeks (6) Rat Experimenti Note of exposure Parameter Method Value Value Value Value Value Inhalation (dust) LOAEC OECD 413 15 mg/m ³ air Respiratory Inititation of the 13 week(s) Rat | -isocyanatomethyl-3, | <u>5,5-trim</u> | ethylc | vclohexyl isocya | inate | | | | | |
| Inhalation NOAEC OECD 412 0.24 mg/m ² air Respiratory No effect 4 weeks (61/day, 5 Rat Experiment, days/week) File/Fenale Value Inhalation IOAEC DECD 412 1.05 mg/m ² air Rarynx Histopathologic 4 weeks (61/day, 5 Rat Experiment, days/week) Katerian K | | | | | | Organ | Effect | Exposure time | Species | |
| Inhalation NOAEC OECD 413 0.27 mg/m ³ air Repiratory No effect 13 weeks (6h/day, 5 Rat Experimenti Inhalation NOAEC OECD 413 1.1 mg/m ³ air Repiratory No effect 13 weeks (6h/day, 5 Rat Experimenti Inhalation NOAEC OECD 413 1.1 mg/m ³ air Repiratory No effect 13 weeks (6h/day, 5 Rat Experimenti Inhalation NOAEC OECD 413 2.9 mg/m ³ air Repiratory Fritation of the 13 weeks (6h/day, 5 Rat Experimenti Inhalation (dust) NOAEC OECD 413 2.9 mg/m ³ air Repiratory Fritation of the 13 weeks (6h/day, 5 Rat Rat cperimenti Inhalation (dust) IOAEC OECD 413 1.5 mg/m ³ air Respiratory Irritation of the 13 weeks (6h/day, 5 Rat Rat cperimenti Inhalation (dust) LOAEC OECD 413 1.5 mg/m ³ air Respiratory Irritation of the 13 weeks (6h/day, 5 Rat Rat cperimenti value Inhalation (dust) LOAEC OECD 413 1.5 mg/m ³ air Respiratory Irritation of the 13 weeks (6) Rat cper | Inhalation | NOAEC | 2 | OECD 412 | 0.24 mg/m ³ air | | No effect | days/week) | | Experimenta |
| Inhalation LOAEC OECD 413 1.1 mg/m ² ir Larynx Histopathologic 13 weeks (6h/day, 5 Rat (male/female) Experiment value Isocyanatomethyl-3.5,5-trimethylox/ohexyl isocyanate, oligomers Inhalation OTgan Effect Exposure time Species Malue Inhalation (dust) NOAEC OECD 413 2.9 mg/m ³ air Respiratory rract Irritation of the respiratory tract If weeks (6h/day, 5 Rat (male/female) Rat (male/female) Rat (male/female) Respiratory value Inhalation (dust) NOAEC OECD 413 15 mg/m ³ air Respiratory rract Irritation of the respiratory tract 13 weeks(s) Rat (male/female) Rat (male/female) Resperiment, male Inhalation (dust) OAEC OECD 413 15 mg/m ³ air Respiratory rract Irritation of the respiratory tract 13 weeks(s) Rat (male/female) Rat value Experiment, value Inhalation (dust) OAEC OECD 413 15 mg/m ³ air Respiratory respiratory tract Irritation of the respiratory tract 13 weeks(s) Rat (male/female) Respiratory value Respiratory respiratory tract Irritation of the respiratory tract | Inhalation | LOAEC | | OECD 412 | 1.05 mg/m ³ air | Larynx | | | | • |
| | Inhalation | NOAEC | 2 | OECD 413 | 0.27 mg/m ³ air | | No effect | | | - |
| elsecyanatomethyl 3.5 5: trimethyleydohewl isocyanate, oligomers Effect Exposure time Species Value Route of exposure Parameter Method Value Organ Effect Exposure time Species Value Inhalation (dust) NOAEC OECD 413 2.9 mg/m³ air Respiratory irritation of the 13 week(s) Rat Experiment inhalation (dust) LOAEC OECD 413 15 mg/m³ air Respiratory irritation of the 13 week(s) Rat Experiment inhalation (dust) LOAEC OECD 413 15 mg/m³ air Respiratory irritation of the 13 week(s) Rat Experiment adv cause drowsiness or dizziness. encity (n vitro) Iai Primer 100 Iai Primer 100 Iai Primer 100 Effect Value determination Positive with metabolic OECD 476 Mouse (lymphoma 15178Y Experimental value Experimental value activation OECD 473 Human lymphocytes Experimental value Ambiguous OECD 471 Bacteria (Styphimurium) Experimental value verocarbors, C9, aromatics Method Test substrate Effect Value determination | Inhalation | LOAEC | | OECD 413 | 1.1 mg/m³ air | Larynx | | | | |
| Inhalation (dust) NOAEC OECD 413 2.9 mg/m³ air Respiratory rract Intimation (dust) NOAEC OECD 413 2.9 mg/m³ air Respiratory rract Intimation of the respiratory tract 13 week(s) Rat (male/female) Experiment value Inhalation (dust) LOAEC OECD 413 15 mg/m³ air Respiratory rract Irritation of the respiratory tract 13 week(s) Rat (male/female) Experiment value May cause dramage to organs through prolonged or repeated exposure. Ray cause drawage to organs through prolonged or repeated exposure. Ray cause drawage to organs through prolonged or repeated exposure. Ray cause drawage to organs through prolonged or repeated exposure. Result Effect Value determination Positive with metabolic OECD 476 Mouse (lymphoma L5178Y cells) Experimental value Ambiguous OECD 473 Human lymphocytes Experimental value As-hexanedivi-bis(2-12-11-ethylpentyl)-3-oxazoldiniv)ethyl/carbamate Effect Value determination Negative OECD 471 Bacteria (Styphimurium) No effect Value determination Vergative OECD 471 Bacteria (Styphimurium) No effect Experimental value Vergative OECD 471 Bacteria (Styphimurium) No effect Exp | -isocyanatomethyl-3, | 5,5-trim | ethylc | yclohexyl isocya | nate, oligomers | | | | | |
| Inhalation (dust) LOAEC DECD 413 15 mg/m³ air Respiratory tract rritation of the 13 week(s) respiratory tract Rat (male/female) Value Inhalation (dust) LOAEC DECD 413 15 mg/m³ air Respiratory tract rritation of the 13 week(s) Rat (male/female) Experiment (male/female) Value Inhalation (dust) LOAEC DECD 413 15 mg/m³ air Respiratory tract rritation of the 13 week(s) Rat (male/female) Value Inhalation (dust) LOAEC DECD 413 15 mg/m³ air Respiratory tract rritation of the 13 week(s) Rat (male/female) Value Interview Material Company tract respiratory tract Result Malue determination Positive with metabolic DECD 476 Mouse (lymphoma L5178Y Experimental value Ambiguous DECD 471 Bacteria (S.typhimurium) Effect Value determination Result Method Test substrate Effect Value determination Result Method Test substrate Effect Value determination Result Method Test substrate Effect Value determination | Route of exposure | Param | eter | Method | Value | Organ | Effect | Exposure time | Species | |
| Image: Second | Inhalation (dust) | NOAEC | 2 | OECD 413 | 2.9 mg/m³ air | | | | | • |
| Ary cause damage to organs through prolonged or repeated exposure. Ary cause drowsiness or dizziness. Ary cause drowsiness or dizziness. penicity (in vitro) Lai Primer 100 To (tst)data on the mixture available iettVimethylbenzenediamine Externmethylbenzenediamine Result Method Test substrate Effect Value determination Positive with metabolic OECD 476 Mouse (lymphomà L5178Y cells) Experimental value Armbiguous OECD 473 Human lymphocytes Experimental value .6-hexanediyl-bis/2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Effect Value determination Negative OECD 471 Bacteria (S.typhimurium) Experimental value vdrocarbons, C9, aromatics Effect Value determination Negative with metabolic activation Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value -isocranatomethyl-3,5,5-trimethyl-cyclohexyl isocyanate Effect Value determination Negative OECD 471 Bacteria (S.typhimurium) No effect Experimental value -isocranatomethyl-3,5,5-trimethyl-cyclohexyl isocyanate Effect | Inhalation (dust) | LOAEC | | OECD 413 | 15 mg/m³ air | | | | | • |
| Result Method Test substrate Effect Value determination Positive with metabolic activation OECD 476 Mouse (lymphoma L5178Y cells) Experimental value Ambiguous OECD 473 Human lymphocytes Experimental value 6-hexanediyl-bis[2-[2-[1-ethylpentyl]-3-oxazolidinyl]ethyl]carbamate Experimental value Experimental value Result Method Test substrate Effect Value determination Negative OECD 471 Bacteria (S.typhimurium) Experimental value vdrocarbons, C9, aromatics Effect Value determination Result Method Test substrate Effect Value determination Negative with metabolic activation, negative with metabolic activation Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value -isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Effect Value determination Result Method Test substrate Effect Value determination Negative OECD 476 Chinese hamster ovary (CHO) No effect Experimental value Negative O | | or dizzi | ness. | | | | | | | |
| Positive with metabolic activation OECD 476 Mouse (lymphoma L5178Y cells) Experimental value Ambiguous OECD 473 Human lymphocytes Experimental value .6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Experimental value Experimental value .6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Effect Value determination Result Method Test substrate Effect Value determination Negative OECD 471 Bacteria (S.typhimurium) Experimental value vdrocarbons, C9, aromatics Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value Negative with metabolic activation, negative without Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value -isocvanatomethyl-3.5.5-trimethylcyclohexyl isocvanate Effect Value determination Negative OECD 476 Chinese hamster ovary (CHO) No effect Experimental value Negative OECD 473 Chinese hamster ovary (CHO) No effect Experimental value Negative OECD 473 Chinese hamster ovary (CHO) Chromosome aberrations Experimental value | enicity (in vitro) lal Primer 100 | nixture a | vailab | le | | | | | | |
| activation cells) Experimental value Ambiguous OECD 473 Human lymphocytes Experimental value .6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Effect Value determination Result Method Test substrate Effect Value determination Negative OECD 471 Bacteria (S.typhimurium) Experimental value vydrocarbons, C9, aromatics Effect Value determination Result Method Test substrate Effect Value determination Negative with metabolic activation, negative without metabolic activation Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value -isocyanatomethyl-3.5,5-trimethylcyclohexyl isocyanate Effect Value determination Experimental value Negative OECD 476 Chinese hamster ovary (CHO) No effect Experimental value Negative OECD 471 Bacteria (S.typhimurium) No effect Experimental value Negative OECD 471 Bacteria (S.typhimurium) No effect Experimental value Negative OECD 471 Bacteria (S.typhimurium) No effect Experimental value< | <mark>jenicity (in vitro)</mark> <u>Jal Primer 100</u> Jo (test)data on the m Jie <u>thylmethylbenzene</u> | | | | | | | | | |
| Application Application Application Application Application Active OECD 471 Bacteria (S.typhimurium) Experimental value Negative OECD 471 Bacteria (S.typhimurium) Experimental value vdrocarbons, C9, aromatics Method Test substrate Effect Value determination Result Method Test substrate Effect Value determination Negative with metabolic activation, negative without metabolic activation Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Experimental value Image: State interval interva | genicity (in vitro) <u>Jal Primer 100</u> Jo (test)data on the m <u>liethylmethylbenzene</u> Result | diamine | | | | | | Effect | Value det | termination |
| ResultMethodTest substrateEffectValue determinationNegativeOECD 471Bacteria (S.typhimurium)Experimental valuevydrocarbons, C9, aromaticsMethodTest substrateEffectValue determinationResultMethodTest substrateEffectValue determinationNegative with metabolic activation, negative without metabolic activationEquivalent to OECD 471 activation, negative without metabolic activationEquivalent to OECD 471 Bacteria (S.typhimurium)No effectExperimental value | genicity (in vitro) dal Primer 100 lo (test)data on the m liethylmethylbenzene Result Positive with meta | diamine | M | ethod | | Mouse (lymphor cells) | na L5178Y | Effect | | |
| NegativeOECD 471Bacteria (S.typhimurium)Experimental valuevydrocarbons, C9, aromaticsFffectValue determinationResultMethodTest substrateEffectValue determinationNegative with metabolic activation, negative without metabolic activationEquivalent to OECD 471 Bacteria (S.typhimurium)No effectExperimental valueI-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanateEffectValue determinationResultMethodTest substrateEffectValue determinationNegativeOECD 476Chinese hamster ovary (CHO)No effectExperimental valueNegativeOECD 471Bacteria (S.typhimurium)No effectExperimental valuePositiveOECD 473Chinese hamster ovary (CHO)No effectExperimental valuepenicity (in vivo)oecc 473Chinese hamster ovary (CHO)Chromosome aberrationsExperimental valueprovincepublication date: 2006-12-14Publication date: 2006-12-14 | Jenicity (in vitro) Jal Primer 100 Jo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous | <u>diamine</u> bolic | | ethod ECD 476 ECD 473 | | Mouse (lymphor cells) Human lymphoc | na L5178Y | Effect | Experime | ntal value |
| Vertocarbons, C9, aromatics Method Test substrate Effect Value determination Negative with metabolic activation, negative without metabolic activation Equivalent to OECD 471 Bacteria (S.typhimurium) No effect Experimental value isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate | Jenicity (in vitro) dal Primer 100 lo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 | <u>diamine</u> bolic | M OI OI | e thod ECD 476 ECD 473 yl)-3-oxazolidiny | | Mouse (lymphor cells) Human lymphoc <u>:e</u> | na L5178Y ytes | | Experime Experime | ntal value ntal value |
| ResultMethodTest substrateEffectValue determinationNegative with metabolic activation, negative without metabolic activationEquivalent to OECD 471 Bacteria (S.typhimurium)No effectExperimental valueHetabolic activationEquivalent to OECD 471 Bacteria (S.typhimurium)No effectExperimental valueHetabolic activationMethodTest substrateEffectValue determinationHesultMethodTest substrateEffectValue determinationNegativeOECD 476Chinese hamster ovary (CHO)No effectExperimental valueNegativeOECD 471Bacteria (S.typhimurium)No effectExperimental valuePositiveOECD 473Chinese hamster ovary (CHO)Chromosome aberrationsExperimental valuegenicity (in vivo)n for revision: 15.1Publication date: 2006-12-14 | Jenicity (in vitro) dal Primer 100 lo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous .6-hexanediyl-bis(2-(2 Result | <u>diamine</u> bolic | OI OI /lpent | ethod ECD 476 ECD 473 <u>(I)-3-oxazolidiny</u> ethod | /l)ethyl)carbamat | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate | na L5178Y ytes | | Experime Experime Value det | ntal value ntal value termination |
| Negative with metabolic activation, negative without metabolic activationEquivalent to OECD 471 Bacteria (S.typhimurium)No effectExperimental valueInterviewEquivalent to OECD 471 MethodBacteria (S.typhimurium)No effectExperimental valueInterviewMethodTest substrateEffectValue determinationNegativeOECD 476Chinese hamster ovary (CHO)No effectExperimental valueNegativeOECD 471Bacteria (S.typhimurium)No effectExperimental valuePositiveOECD 473Chinese hamster ovary (CHO)Chromosome aberrationsExperimental valuegenicity (in vivo)n for revision: 15.1Publication date: 2006-12-14 | Jenicity (in vitro) dal Primer 100 lo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous .6-hexanediyl-bis(2-(2 Result Negative | <u>diamine</u> bolic <u>2-(1-eth</u> | OI OI /lpent | ethod ECD 476 ECD 473 <u>(I)-3-oxazolidiny</u> ethod | /l)ethyl)carbamat | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate | na L5178Y ytes | | Experime Experime Value det | ntal value ntal value termination |
| activation, negative without including activation including activation -isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Result Method Test substrate Effect Value determination Negative OECD 476 Chinese hamster ovary (CHO) No effect Experimental value Negative OECD 471 Bacteria (S.typhimurium) No effect Experimental value Positive OECD 473 Chinese hamster ovary (CHO) Chromosome aberrations Experimental value renicity (in vivo) n for revision: 15.1 Publication date: 2006-12-14 | enicity (in vitro) lal Primer 100 lo (test)data on the m iethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative ydrocarbons, C9, arou | <u>diamine</u> bolic <u>2-(1-eth</u> | M OI /lpent M OI | ethod ECD 476 ECD 473 <u>(I)-3-oxazolidiny</u> ethod ECD 471 | /l)ethyl)carbamat | Mouse (lymphor cells) Human lymphoc ce Test substrate Bacteria (S.typhi | na L5178Y ytes murium) | Effect | Experime Experime Value det Experime | ntal value ntal value termination ntal value |
| Image: Provide the second s | enicity (in vitro) lal Primer 100 lo (test)data on the m iethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative ydrocarbons, C9, aron Result | diamine bolic 2-(1-ethy matics | | ethod ECD 476 ECD 473 ethod ECD 471 ECD 471 ethod | /l)ethyl)carbamat | Mouse (lymphor cells) Human lymphoc ce Test substrate Bacteria (S.typhi Test substrate | na L5178Y ytes murium) | Effect | Experime Experime Value det Experime Value det | ntal value ntal value termination ntal value termination |
| ResultMethodTest substrateEffectValue determinationNegativeOECD 476Chinese hamster ovary (CHO)No effectExperimental valueNegativeOECD 471Bacteria (S.typhimurium)No effectExperimental valuePositiveOECD 473Chinese hamster ovary (CHO)Chromosome aberrationsExperimental valuerenicity (in vivo)n for revision: 15.1Publication date: 2006-12-14 | enicity (in vitro) lal Primer 100 lo (test)data on the m iethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative ydrocarbons, C9, aron Result Negative with meta activation, negative | diamine bolic 2-(1-eth matics abolic e withou | | ethod ECD 476 ECD 473 ethod ECD 471 ECD 471 ethod | /l)ethyl)carbamat | Mouse (lymphor cells) Human lymphoc ce Test substrate Bacteria (S.typhi Test substrate | na L5178Y ytes murium) | Effect | Experime Experime Value det Experime Value det | ntal value ntal value termination ntal value termination |
| Negative OECD 471 Bacteria (S.typhimurium) No effect Experimental value Positive OECD 473 Chinese hamster ovary (CHO) Chromosome aberrations Experimental value renicity (in vivo) Image: Section 15.1 Publication date: 2006-12-14 | enicity (in vitro) lal Primer 100 lo (test)data on the m iethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative ydrocarbons, C9, aron Result Negative with meta activation, negative metabolic activation | diamine bolic 2-(1-eth) matics abolic e withou | | ethod ECD 476 ECD 473 ethod ECD 471 ECD 471 ethod quivalent to OEC | (l)ethyl)carbamat | Mouse (lymphor cells) Human lymphoc ce Test substrate Bacteria (S.typhi Test substrate | na L5178Y ytes murium) | Effect | Experime Experime Value det Experime Value det | ntal value ntal value termination ntal value termination |
| Positive OECD 473 Chinese hamster ovary (CHO) Chromosome aberrations Experimental value genicity (in vivo) | enicity (in vitro) lal Primer 100 lo (test)data on the m iethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative ydrocarbons, C9, aron Result Negative with meta activation, negative metabolic activatic -isocyanatomethyl-3, | diamine bolic 2-(1-eth) matics abolic e withou | M OI /lpent M OI M OI ethylc | ethod ECD 476 ECD 473 yl)-3-oxazolidiny ethod ECD 471 ethod uivalent to OEC yclohexyl isocya | /l)ethyl)carbamat D 471 | Mouse (lymphor cells) Human lymphoc ce Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi | ma L5178Y ytes murium) murium) | Effect Effect No effect | Experime Experime Value det Experime Value det Experime | ntal value ntal value termination ntal value termination ntal value |
| Positive OECD 473 Chinese hamster ovary (CHO) Chromosome aberrations Experimental value genicity (in vivo) | Jenicity (in vitro) dal Primer 100 No (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative nydrocarbons, C9, aron Result Negative with meta activation, negative metabolic activatio L-isocyanatomethyl-3, Result | diamine bolic 2-(1-eth) matics abolic e withou | M OI /lpent M OI M oI ethvlc | ethod ECD 476 ECD 473 ethod ECD 471 ethod ethod uivalent to OEC yclohexyl isocya ethod | rl)ethyl)carbamat D 471 | Mouse (lymphor cells) Human lymphoc e Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi | na L5178Y ytes murium) murium) | Effect Effect No effect Effect | Experime Experime Value det Experime Value det Experime Value det | ntal value ntal value termination termination ntal value termination |
| n for revision: 15.1 Publication date: 2006-12-14 | Jenicity (in vitro) dal Primer 100 No (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative nydrocarbons, C9, aron Result Negative with meta activation, negative metabolic activatio L-isocyanatomethyl-3, Result Negative | diamine bolic 2-(1-eth) matics abolic e withou | M OT OT M OT M OT M M Ecc M OT M OT OT OT OT OT OT OT OT OT OT OT OT OT | ethod ECD 476 ECD 473 (1)-3-oxazolidiny ethod ECD 471 ethod uuivalent to OEC yclohexyl isocyz ethod ECD 476 | <u>I)ethyl)carbamat</u> D 471 | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi Test substrate Chinese hamster | ma L5178Y ytes murium) murium) r ovary (CHO) | Effect Effect No effect Effect No effect | Experime Experime Value det Experime Value det Experime Value det Experime | ntal value ntal value termination termination ntal value termination ntal value termination ntal value |
| | Jenicity (in vitro) dal Primer 100 lo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous ,6-hexanediyl-bis(2-(2 Result Negative nydrocarbons, C9, aron Result Negative with meta activation, negative metabolic activatio -isocyanatomethyl-3, Result Negative Negative | diamine bolic 2-(1-eth) matics abolic e withou | M OI OI M OD M OI Ectivic M M OI OI | ethod ECD 476 ECD 473 wil-3-oxazolidiny ethod ECD 471 ethod uivalent to OEC <u>yclohexyl isocya</u> ethod ECD 476 ECD 471 | <u>I)ethyl)carbama</u> D 471 | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi Test substrate Chinese hamster Bacteria (S.typhi | ma L5178Y ytes murium) murium) r ovary (CHO) murium) | Effect Effect No effect Effect No effect No effect | Experime Experime Experime Value det Experime Value det Experime Experime Experime | Intal value |
| | Jenicity (in vitro) dal Primer 100 Jo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous .,6-hexanediyl-bis(2-(2 Result Negative nydrocarbons, C9, aron Result Negative with meta activation, negative metabolic activatio Hisocyanatomethyl-3, Result Negative Positive | diamine bolic 2-(1-eth) matics abolic e withou | M OI OI M OD M OI Ectivic M M OI OI | ethod ECD 476 ECD 473 wil-3-oxazolidiny ethod ECD 471 ethod uivalent to OEC <u>yclohexyl isocya</u> ethod ECD 476 ECD 471 | <u>I)ethyl)carbama</u> D 471 | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi Test substrate Chinese hamster Bacteria (S.typhi | ma L5178Y ytes murium) murium) r ovary (CHO) murium) | Effect Effect No effect Effect No effect No effect | Experime Experime Experime Value det Experime Value det Experime Experime Experime | Intal value |
| | Jai Primer 100 No (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous L,6-hexanediyl-bis(2-(2 Result Negative nydrocarbons, C9, aron Result Negative with met activation, negative metabolic activatio B-isocyanatomethyl-3, Result Negative Negative Negative Positive | diamine bolic 2-(1-eth) matics abolic e withou | M OI OI M OD M OI Ectivic M M OI OI | ethod ECD 476 ECD 473 wil-3-oxazolidiny ethod ECD 471 ethod uivalent to OEC <u>yclohexyl isocya</u> ethod ECD 476 ECD 471 | <u>I)ethyl)carbama</u> D 471 | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi Test substrate Chinese hamster Bacteria (S.typhi | ma L5178Y ytes murium) murium) r ovary (CHO) murium) r ovary (CHO) | Effect Effect No effect Effect No effect No effect Chromosome aberratio | Experime Experime Value det Experime Value det Experime Value det Experime Experime Experime Experime Experime Experime | Intal value |
| on number: 0402 Product number: 44711 9 | Jai Primer 100 Jo (test)data on the m liethylmethylbenzene Result Positive with meta activation Ambiguous .,6-hexanediyl-bis(2-(2 Result Negative nydrocarbons, C9, aron Result Negative with met activation, negative metabolic activatio L-isocyanatomethyl-3, Result Negative Negative Negative Positive | diamine bolic 2-(1-eth) matics abolic e withou | M OI OI M OD M OI Ectivic M M OI OI | ethod ECD 476 ECD 473 wil-3-oxazolidiny ethod ECD 471 ethod uivalent to OEC <u>yclohexyl isocya</u> ethod ECD 476 ECD 471 | <u>I)ethyl)carbama</u> D 471 | Mouse (lymphor cells) Human lymphoc <u>e</u> Test substrate Bacteria (S.typhi Test substrate Bacteria (S.typhi Test substrate Chinese hamster Bacteria (S.typhi | ma L5178Y ytes murium) murium) r ovary (CHO) murium) r ovary (CHO) | Effect Effect No effect Effect No effect No effect Chromosome aberratio | Experime Experime Experime Value det Experime Experime Experime Experime Experime | Intal value |

. 4 ^ ^ \sim .

| | | | | Sol | Jda | al Pi | rime | r 1 | 00 | | | | | |
|--|------------------------------|------------------------------|--------------------|-----------------------|------------------|------------|----------------------------------|-------------------|--------------|---------|-----------------------------|------------------|----------|-----------------------------------|
| oudal Primer 100 | | | | | | | | | | | | | | |
| No (test)data on Judgement is ba: | | | onto | | | | | | | | | | | |
| diethylmethylbe | | U U | ents | | | | _ | | | | | | | |
| Result | inzerieularini | | lethod | | Expo | sure time | 3 | Test s | ubstrate | | Organ | | Value o | leterminat |
| Negative | | | ECD 47 | '4 | | | | Mouse | e (male/fema | ıle) | Blood | | Experin | nental valu |
| hydrocarbons, C | 9, aromatics | | | | F | | | T 4 | | | 0 | | N/-1 | |
| Result Negative | | | lethod | nt to OECD | | sure time | | Test si Rat (m | ubstrate | - | Organ Bone marre | 0144 | | leterminat nental valu |
| - | | 4 | 75 | | Juay | (3) | | Nat (II | lale) | | | 000 | схренн | |
| 3-isocyanatomet | <u>thyl-3,5,5-tri</u> | | xyl isod lethod | | Evno | sure time | 2 | Tost s | ubstrate | | Organ | | Value | leterminat |
| Negative | | | ECD 47 | | 6 h | sule tille | | | e (male) | | Bone marr | ow | | nental valu |
| Conclusion Not classified for inogenicity | r mutagenic | or genotoxic to | oxicity | | | | | | | ſ. | | | <u> </u> | |
| | | | | | | | | | | | | | | |
| udal Primer 100 No (test)data on | the mixture | available | | | | | | | | | | | | |
| Judgement is ba | | | ents | | | | | | | | | | | |
| diethylmethylbe | | - | | | | | | | | | | | | |
| Route of | Parameter | _ | | Value | | Exposure | e time | Spec | cies | Effect | | Organ | | alue |
| exposure Oral | LOAEL | Equivalent OECD 451 | to | > 3.2 mg/kg bw/day | g | 104 wee | ks (daily) | Rat (| (male) | Carcino | ogenicity | Liver | E) | etermination perimenta alue |
| Oral | LOAEL | Equivalent OECD 451 | to | > 3.8 mg/kj bw/day | g | 104 wee | ks (daily) | Rat (| (female) | Carcino | ogenicity | Liver | E | ilue ilue |
| Oral | LOAEL | Equivalent OECD 451 | to | > 3.2 mg/kg bw/day | g | 104 wee | ks (daily) | Rat (| (male) | Tumor | formation | Thyroid | E | perimenta Ilue |
| Oral | LOAEL | Equivalent OECD 451 | to | ≥ 3.8 mg/k bw/day | g | 104 wee | ks (daily) | Rat (| (female) | Tumor | formation | Thyroid | | perimenta Ilue |
| Oral | LOAEL | Equivalent OECD 451 | to | > 1.8 mg/k bw/day | g | 104 wee | ks (daily) | Rat (| (female) | Tumor | formation | Mammary gland | | perimenta Ilue |
| hydrocarbons, C | | | | | | | | | | | | | | |
| Route of exposure | Parameter | r Method | | Value | | Exposure | e time | Spec | cies | Effect | | Organ | | alue eterminatio |
| Unknown | | | | | | | | | | | | | D | ata waiving |
| Not classified for roductive toxicity <u>udal Primer 100</u> No (test)data on Judgement is ba: <u>diethylmethylbe</u> | the mixture sed on the re | available elevant ingredi | ents | | | | | | | | | | | |
| | | Parameter | Met | nod | Value | | Exposure t | ime S | Species | Effe | ct | Organ | | alue eterminatio |
| Developmen | tal toxicity | NOAEL | OECI | | 7.83 m bw/day | / | 20 days (gestation, daily) | | Rat | No e | effect | Foetus | E) | perimenta Ilue |
| Maternal tox | kicity | NOEL | OECI | | 2.63 m bw/day | / | 20 days (gestation, daily) | | Rat (female) | Noe | effect | | | perimenta Ilue |
| Effects on fe | rtilitv | | | | | | aany) | \vdash | | | | | D | ata waiving |
| Effects on fe | rtility | | | | | / | | | | | | | Vā | lue |
| | | | | | | | | | | | | | | |
| son for revision: 1 | 5.1 | | | | | | | | | | e: 2006-12-2 : 2018-01-1 | | | |
| sion number: 040 | 12 | | | | | | | | Product | numbo | r: ///711 | | | 10 / |

| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|---------------------------|------------------------------|-----------------------|-------------------------|-------------------------------------|----------------------|----------------------------|---------|------------------------|
| Developmental toxicity | NOAEC | | 100 ppm | 10 day(s) | Mouse | No effect | Foetus | Experimental value |
| | LOAEC | | 500 ppm | 10 day(s) | Mouse | Reduced foetal bodyweights | Foetus | Experimental value |
| Maternal toxicity | NOAEC | | 100 ppm | 10 day(s) | Mouse | No effect | | Experimental value |
| | LOAEC | | 500 ppm | 10 day(s) | Mouse | Body weight reduction | General | Experimental value |
| Effects on fertility | NOAEC | 3 generation study | 7500 mg/m ³ | | Rat (male/female) | No effect | | Experimental value |
| socyanatomethyl-3,5,5-tri | im <mark>ethylcyclohe</mark> | exyl isocyanate | | | | | | |
| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determinatior |
| Developmental toxicity | NOAEC | OECD 414 | 1 mg/m³ air | 2 weeks (6h/day, 7 days/week) | Rat (female) | No effect | Foetus | Experimental value |
| Maternal toxicity | NOAEC | OECD 414 | 1 mg/m ³ air | 2 weeks (6h/day, 7 days/week) | Rat (female) | No effect | | Experimental value |

Soudal Primer 100

No (test)data on the mixture available

Classification is based on the relevant ingredients

hydrocarbons, C9, aromatics

| Parameter | Method | Value | Organ | Effect | Exposure time | Value determination |
|-----------|--------|-------|-------|-----------------------------|---------------|----------------------------|
| | | | | Skin dryness or cracking | | Literature |

Conclusion

Repeated exposure may cause skin dryness or cracking.

Chronic effects from short and long-term exposure

Soudal Primer 100 ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflam mation. Respiratory difficulties.

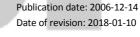
SECTION 12: Ecological information

12.1. Toxicity

Soudal Primer 100

No (test)data on the mixture available Classification is based on the relevant ingredients

| ion: 15.1 | |
|-----------|--|
| | |
| | |



Reason for revis

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determinat |
|---|------------------|----------------------|---------------|------------------|-------------------------------------|-----------------------|---------------------|---|
| Acute toxicity fishes | LC50 | DIN 38412-15 | 200 mg/l | 48 h | Leuciscus idus | Static system | Fresh water | Experimental valu Nominal concentration |
| Acute toxicity crustacea | EC50 | EU Method C.2 | 0.5 mg/l | 48 h | Daphnia magna | Static system | Fresh water | Experimental valu Nominal concentration |
| Foxicity algae and other aquation | c ErC50 | OECD 201 | 104 mg/l | 72 h | Desmodesmus subspicatus | Static system | Fresh water | Experimental valu GLP |
| | NOEC | OECD 201 | 32 mg/l | 72 h | Desmodesmus subspicatus | Static system | Fresh water | Experimental valu GLP |
| ong-term toxicity fish | | | | | | | | Data waiving |
| ong-term toxicity aquatic crustacea | | | | | | 1 | | Data waiving |
| Foxicity aquatic micro- organisms | EC50 | Other | > 170 mg/l | 24 h | Pseudomonas putida | Static system | Fresh water | Experimental valu Nominal concentration |
| | Parameter | Method | Val | | Duration | Specie | c | Value determinat |
| Foxicity soil micro-organisms | arameter | wethod | Val | uc | Duration | specie | 3 | Data waiving |
| Toxicity soli micro-organisms | | | | | | | | Data waiving Data waiving |
| oxicity birds | | | | | | - | | Data waiving Data waiving |
| drocarbons, C9, aromatics | | | | - | | | | Data waiving |
| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determina |
| Acute toxicity fishes | LL50 | OECD 203 | 9.2 mg/l | 96 h | mykiss | Semi-static system | Fresh water | Experimental val GLP |
| Acute toxicity crustacea | EL50 | OECD 202 | 3.2 mg/l | 48 h | | Static system | | Experimental val GLP |
| oxicity algae and other aquation plants | | OECD 201 | 2.9 mg/l | 72 h | Pseudokirchnerie Ila subcapitata | Static system | Fresh water | Experimental val Growth rate |
| socyanatomethyl-3,5,5-trim <mark>eth</mark> | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determina |
| Acute toxicity fishes | LC50 | EU Method C.1 | > 72 mg/l | 96 h | Danio rerio | Static system | | Experimental valı GLP |
| Acute toxicity crustacea | EC50 | EU Method C.2 | 27 mg/l | 48 h | | Static system | Fresh water | Experimental val GLP |
| | LC50 | | 4 mg/l | 96 h | Chaetogammarus marinus | system | | Experimental val |
| oxicity algae and other aquation and other aquation and a second s | | EU Method C.3 | > 70 mg/l | 72 h | subspicatus | Static system | | Experimental val GLP |
| ong-term toxicity aquatic rustacea | NOEC | OECD 202 | | 21 day(s) | | Semi-static system | Fresh water | Read-across |
| oxicity aquatic micro- | LOEC EC50 | OECD 202 OECD 209 | | 21 day(s) 3 h | Daphnia magna Activated sludge | Semi-static system | Fresh water | Read-across Experimental val |
| organisms socyanatomethyl-3,5,5-trimeth | | | | 511 | Activated sludge | Static system | i lesii watei | GLP |
| | Parameter | Method | | Duration | Species | Test design | Fresh/salt water | Value determina |
| Acute toxicity fishes | LC50 | EU Method C.1 | > 1.5 mg/l | 96 h | | Semi-static system | | Experimental val GLP |
| Acute toxicity crustacea | EC50 | OECD 202 | > 3.36 mg/l | 48 h | | Static system | | Experimental val GLP |
| oxicity algae and other aquation of the second s | | OECD 201 | > 3.1 mg/l | 72 h | subspicatus | Static system | | Experimental val GLP |
| oxicity aquatic micro- organisms | EC50 | OECD 209 | > 10000 mg/l | | | Static system | Fresh water | Experimental val GLP |
| No classification for aquatic to | shicity since th | e toxicity limits | are above the | water solubl | ity | | | |

Reason for revision: 15.1

Publication date: 2006-12-14 Date of revision: 2018-01-10

Revision number: 0402

| Biodegradation wa | ater | | h / - h | | Duration | |
|---|--|--|---|--|--|---|
| Method | | | Value | | Duration | Value determination |
| EU Method C.4 Phototransformat | ion air (DT50 c | air) | 0 %; Oxygen | <u>consumption</u> | 28 day(s) | Experimental value |
| Method | | an) | Value | | Conc. OH-radicals | Value determination |
| AOPWIN v1.92 | | | 1.48 h | | 500000 /cm ³ | QSAR |
| ydrocarbons, C9, ar Biodegradation wa | | | | | | |
| Method | | | Value | | Duration | Value determination |
| OECD 301F: Man | nometric R <mark>espi</mark> | rometr | y Test 77 %; GLP | | 28 day(s) | Experimental value |
| -isocyanatomethyl- Biodegradation wa | -3,5,5-trimethy | lcycloh | exyl isocyanate | | | |
| Method | | | Value | | Duration | Value determination |
| EU Method C.4 | _ | | 0 %; GLP | | 28 day(s) | Experimental value |
| Phototransformat | ion air (DT50 a | air) | | | | |
| Method | | | Value | | Conc. OH-radicals | Value determination |
| AOPWIN v1.90 | | | 1.8 day(s) | | 500000 /cm ³ | QSAR |
| Half-life water (t1/ | /2 water) | | h | | | |
| Method | | | Value | | Primary degradation/mineralisation | Value determination |
| OECD 111: Hydro | | | | | | Experimental value |
| -isocyanatomethyl- Biodegradation wa | 3,5,5-trimethy | lcycloh | exyl isocyanate, olig | omers | | |
| Method | | | Value | | Duration | Value determination |
| OECD 301F: Man | ometric Respi | rometr | | | 28 day(s) | Experimental value |
| Half-life water (t1/ | | | , | | | |
| Method | | | Value | | Primary | Value determination |
| 0500 444 14 14 | | | | | degradation/mineralisation | |
| | | tion of | | | | |
| nclusion ontains non readily 2.3. Bioaccumul | | e comp | | | | Experimental value |
| nclusion ontains non readily 2. 3. Bioaccumul lal Primer 100 g Kow | v biodegradable ative poter | e comp ntial | onent(s) | Value | Temperature | |
| nclusion ontains non readily 2. 3. Bioaccumul lal Primer <u>100</u> | v biodegradabl ative poter | e comp ntial nark | onent(s) | Value | Temperature | Experimental value |
| nclusion ontains non readily 2. 3. Bioaccumul lal Primer 100 J Kow Method | v biodegradabl ative poter Ren Not | e comp ntial nark | onent(s) | Value | Temperature | |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 J Kow J Kow Jethod | v biodegradable ative poter Ren Not nediamine | e comp ntial nark | onent(s) | Value | Temperature | |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 J Kow Method Method iethylmethylbenzer BCF other aquatic | v biodegradable ative poter Ren Not nediamine organisms | e comp ntial nark | onent(s) able (mixture) | | | Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 J Kow Method Method iethylmethylbenzer BCF other aquatic Parameter | v biodegradable ative poter ative poter Ren Not nediamine organisms Method | e comp ntial nark applica | onent(s) able (mixture) | Duration | Temperature | Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod Method iethylmethylbenzer BCF other aquatic Parameter BCF | v biodegradable ative poter Ren Not nediamine organisms | e comp ntial nark applica | onent(s) able (mixture) | Duration | | |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 J Kow Method Method iethylmethylbenzer BCF other aquatic Parameter | v biodegradable ative poter ative poter Ren Not nediamine organisms Method BCFBAF v3. | e comp ntial nark applica | onent(s) able (mixture) Value 2.75; Fresh weight | Duration | Species | Value determination Value determination QSAR |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod Method iethylmethylbenzer BCF other aquatic Parameter BCF Log Kow | v biodegradable ative poter ative poter Ren Not nediamine organisms Method BCFBAF v3. | e comp ntial nark applica | onent(s) able (mixture) Value 2.75; Fresh weight | Duration | | Value determination Value determination QSAR Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF other aquatic Parameter BCF Log Kow Method OECD 107 ,6-hexanediyl-bis(2: | v biodegradable ative poter ative poter Not Not nediamine organisms Method BCFBAF v3. | e comp ntial nark applica .00 Remarl | onent(s) able (mixture) Value 2.75; Fresh weight | Duration Value | Species Temperature | Value determination Value determination QSAR |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod Method BCF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter ative poter Not nediamine organisms Method BCFBAF v3 | e comp ntial nark applica .00 Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca | Duration Value 1.4 rbamate | Species Temperature 25 °C | Value determination Value determination QSAR Value determination Experimental value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF other aquatic Parameter BCF Log Kow Method OECD 107 ,6-hexanediyl-bis(2: | v biodegradable ative poter Ren Not nediamine organisms Method BCFBAF v3 | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca | Duration Value | Species Temperature | Value determination Value determination QSAR Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod Method BCF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not nediamine organisms Method BCFBAF v3 | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca | Duration Value 1.4 rbamate | Species Temperature 25 °C | Value determination Value determination QSAR Value determination Experimental value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF tother aquatic Parameter BCF Log Kow Method OECD 107 ,6-hexanediyl-bis(2: Log Kow Method OECD 107 ,6-hexanediyl-bis(2: Log Kow Method OECD 107 ,6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter nediamine organisms Method BCFBAF v3. -(2-(1-ethylper -(2-(1-ethylper organisms | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available | Duration Value 1.4 rbamate Value | Species Temperature 25 °C | Value determination Value determination QSAR Value determination Experimental value Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF tother aquatic Parameter BCF Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter ative poter Not nediamine organisms Method BCFBAF v3 BCFBAF v3 -(2-(1-ethylper comatics organisms Method | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl No data | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value | Duration Value 1.4 rbamate | Species Temperature 25 °C | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF tother aquatic Parameter BCF Log Kow Method OECD 107 ,6-hexanediyl-bis(2: Log Kow Method OECD 107 ,6-hexanediyl-bis(2: Log Kow Method OECD 107 ,6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter ative poter Ren Not Not Method BCFBAF v3 Method C2-(1-ethylper romatics organisms Method EPIWIN BC | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl No data | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available | Duration Value 1.4 rbamate Value | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF tother aquatic Parameter BCF Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter ative poter Not nediamine organisms Method BCFBAF v3 BCFBAF v3 -(2-(1-ethylper comatics organisms Method | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl No data | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value | Duration Value 1.4 rbamate Value | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF tother aquatic Parameter BCF Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not organisms Method BCFBAF v3. Method c2-(1-ethylper comatics organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl ntyl)-3- Remarl No data | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination |
| nclusion ontains non readily .3. Bioaccumul lal Primer 100 g Kow Aethod iethylmethylbenzer BCF other aquatic Parameter BCF Log Kow Method OECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value |
| nclusion ontains non readily 2.3. Bioaccumul lal Primer 100 g Kow Aethod ECF Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow Method DECD 107 .6-hexanediyl-bis(2: Log Kow | v biodegradable ative poter Ren Not Organisms Method BCFBAF v3. Method C2-(1-ethylper organisms Method EPIWIN BC 2.15) | e comp ntial nark applica .00 Remarl No data F (v Remarl | onent(s) able (mixture) Value 2.75; Fresh weight c oxazolidinyl)ethyl)ca c a available Value 10 - 2500 | Duration Value 1.4 rbamate Value Duration | Species Temperature 25 °C Temperature | Value determination Value determination QSAR Value determination Experimental value Value determination Value determination Calculated value Value determination Calculated value |

Soudal Drimor 100

| 3-isocyanatomethyl- | | ylcyclo | hexyl isocyanate | | | | | | | | |
|--|--|---|--|--|-----------------------|-----------------|---------|-------------|---------------------|-----------|--|
| BCF other aquatic Parameter | organisms Method | | Value | lo. | ration | C n | agios | _ | | | Value determination |
| BCF | EPIWIN BO | CF (v | 910 | | | эh | oecies | | - | | Value determinatio |
| - | 2.15) | - (| | | | | | | | | |
| Log Kow | | | | | | | | | | | |
| Method | | Rema | rk | | lue | | | Tempera | ture | | Value determination |
| Other 3-isocyanatomethyl-: | | | houdicoguanata | 4.7 | | | | 25 °C | | | QSAR |
| Log Kow | 5,5,5-01111000 | γιζγτιυ | nexy isocyanate, | Uligomets | : | | | | | | |
| Method | | Rema | rk | Va | lue | | | Tempera | ture | | Value determination |
| KOWWIN | | | | | 48 | | | 25 °C | | | QSAR |
| Contains bioaccumul Contains bioaccumul 2.4. Mobility in s diethylmethylbenzer | soil | nent(s) | | | | | | | P | | |
| (log) Koc Parameter | | | | | Mathed | | | - | /aluo | _ | Value determination |
| Parameter log Koc | | | | | Method | I OCWIN v1.6 | 56 | | Value 2.12 - 2.2 | 2 | Value determination |
| B-isocyanatomethyl- | 3,5,5-trimeth | ylcyclo | hexyl isocyanate | | PREFER | | | | 12 - 2.2 | | |
| (log) Koc | | | | | | | | | | | |
| Parameter | | | | | Method | | | | Value | | Value determination |
| Кос | | | | | | VIN v1.66 | _ | | 36450 | | QSAR |
| log Koc | | | | | PCKOCV | VIN v1.66 | | | 4.562 | <u> </u> | QSAR |
| Volatility (Henry's Value | | t H) /lethod | | Tom | perature | _ | D | emark | | | Value determination |
| 6.66 Pa.m ³ /mol | | nethou | | 25 °C | | - | | | - | _ | QSAR |
| Percent distributio | n | | | | | | | | | | |
| Method | Fraction a | ir | Fraction biota | Fraction | | Fraction so | oil | Fraction | water | Value de | termination |
| Mackay level I | 3.2113 % | | 0.0273 % | sedimer 43.6256 | | 43.1462 % | | 9.7034 % | | QSAR | |
| | | | | | | | | | | - | |
| Contains component Contains component 2.5. Results of Pl Does not contain cor 2.6. Other adver dal Primer 100 uorinated greenhou one of the known co zone-depleting pote ot classified as dange nydrocarbons, C9, ar Groundwater Groundwater pollu | (s) that adsor BT and vPy nponent(s) th se effects se gases (Reg mponents is ntial (ODP) erous for the omatics | rb(s) int /B ass hat meen gulation include | to the soil sessment et(s) the criteria o n (EU) No 517/20 d in the list of fluo | f PBT and, 14) prinated g | reenhous | se gases (Re | | | | | 07/2006. |
| FION 13: Dis | nosal c | onci | derations | | | | | | | | |
| | s section is a g | general | description. If ap | | nd availa | ble, exposur | e scen | arios are a | ittached | in annex. | . Always use the relevant e |
| Waste materi 08 01 11* (wa | elating to wa aste accordin al code (Dire astes from M | iste g to Dir ctive 20 FSU and | 008/98/EC, Decisi | on 2000/(t and varr | 532/EC). ish: wast | e paint and | varnisł | i containi | ng organ | | (EU) No 2017/997. s or other hazardous subs |
| 13.1.2 Disposal me Remove wast | e thods e in accordar aste shall <mark>not</mark> | nce with be mix | h local and/or nat ed together if this | ional regu s may enta | lations. H | lazardous w | aste sh | all not be | mixed t | | vith other waste. Different management of the waste |

European Union

Reason for revision: 15.1

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) | | |
|---|-------------------|--|
| 14.1. UN number | | |
| UN number | | 1263 |
| 14.2. UN proper shipping nan | ne | |
| Proper shipping name | | Paint related material |
| 14.3. Transport hazard class(e | | |
| Hazard identification num | ber | 30 |
| Class | | 3 |
| Classification code | | F1 |
| 14.4. Packing group | | |
| Packing group | | |
| Labels | | 3 |
| 14.5. Environmental hazards | | |
| Environmentally hazardo | us substanco mark | ves |
| 14.6. Special precautions for | | yes |
| | usei | 102 |
| Special provisions | | 163 |
| Special provisions | | 367 |
| Special provisions | | 650 |
| Limited quantities | | Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| ail (RID) | | |
| 14.1. UN number | | |
| | | 1262 |
| UN number | | 1263 |
| 14.2. UN proper shipping nan | ne | |
| Proper shipping name | | Paint related material |
| 14.3. Transport hazard class | | |
| Hazard identification num | nber | 30 |
| Class | | 3 |
| Classification code | | F1 |
| 14.4. Packing group | | |
| Packing group | | |
| Labels | | 3 |
| 14.5. Environmental hazards | | |
| Environmentally hazardo | us substanco mark | yes |
| | | Yes |
| 14.6. Special precautions for | user | |
| Special provisions | | 163 |
| Special provisions | | 367 |
| Special provisions | | 650 |
| Limited quantities | | Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| land waterways (ADN) | | |
| 14.1. UN number | | |
| UN number | | 1263 |
| 14.2. UN proper shipping nan | ne | |
| Proper shipping name | | Paint related material |
| | | ן מווו וכומנכע וומנכוומו |
| 14.3. Transport hazard class | =5) | 2 |
| Class | | 3 |
| Classification code | | F1 |
| 14.4. Packing group | | |
| Packing group | | |
| Labels | | 3 |
| 14.5. Environmental hazards | | |
| | us substance mark | yes |
| Environmentally hazardo | | |
| Environmentally hazardou 14.6. Special precautions for | user | |
| 14.6. Special precautions for | user | 163 |
| 14.6. Special precautions for Special provisions | user | 163 367 |
| 14.6. Special precautions for Special provisions Special provisions | user | 367 |
| 14.6. Special precautions for Special provisions | user | 367 650 Combination packagings: not more than 5 liters per inner packaging for |
| 14.6. Special precautions for Special provisions Special provisions Special provisions Limited quantities | user | 367 650 |
| 14.6. Special precautions for Special provisions Special provisions Special provisions Limited quantities ea (IMDG/IMSBC) | user | 367 650 Combination packagings: not more than 5 liters per inner packaging for |
| 14.6. Special precautions for Special provisions Special provisions Special provisions Limited quantities | user | 367 650 Combination packagings: not more than 5 liters per inner packaging for |
| 14.6. Special precautions for Special provisions Special provisions Special provisions Limited quantities ea (IMDG/IMSBC) | user | 367 650 Combination packagings: not more than 5 liters per inner packaging for |
| 14.6. Special precautions for Special provisions Special provisions Special provisions Limited quantities ea (IMDG/IMSBC) | user | 367 650 Combination packagings: not more than 5 liters per inner packaging for |
| 14.6. Special precautions for Special provisions Special provisions Special provisions Limited quantities ea (IMDG/IMSBC) 14.1. UN number | user | 367 650 Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |

| | UN number | 1263 |
|-------|--|--|
| 14.2 | 2. UN proper shipping na <mark>me</mark> | |
| | Proper shipping name | paint related material |
| | 3. Transport hazard class(es) | |
| | Class | 3 |
| 14.4 | 1. Packing group | |
| | Packing group | |
| | Labels | 3 |
| 14.5 | 5. Environmental hazards | |
| | Marine pollutant | P |
| | Environmentally hazardous substance mark | yes |
| 14.6 | 5. Special precautions for user | |
| | Special provisions | 163 |
| | Special provisions | 223 |
| | Special provisions | 367 |
| | Special provisions | 955 |
| | Limited quantities | Combination packagings: not more than 5 liters per inner packaging for |
| | | liquids. A package shall not weigh more than 30 kg. (gross mass) |
| 14.7 | 7. Transport in bulk according to Annex II of Ma | arpol and the IBC Code |
| | Annex II of MARPOL 73/78 | Not applicable, based on available data |
| : /1/ | | |
| • | CAO-TI/IATA-DGR) | |
| | I. UN number | |
| | UN number | 1263 |
| | 2. UN proper shipping na <mark>me</mark> | |
| | Proper shipping name | Paint related material |
| | 3. Transport hazard class(es) | |
| | Class | 3 |
| | 1. Packing group | |
| | Packing group | |
| | Labels | 3 |
| | 5. Environmental hazards | |
| | Environmentally hazardous substance mark | yes |
| | 5. Special precautions for user | |
| | Special provisions | A3 |
| | Special provisions | A72 |
| | Special provisions | A192 |
| | Limited quantities: maxi <mark>mum net quantity per</mark> | packaging 10 L |
| - | N 15: Regulatory informat | |
| | | |
| 5.1. | Safety, nealth and environmental re | gulations/legislation specific for the substance or mixture |
| Euro | opean legislation: | |
| V | DC content Directive 2010/75/EU | |
| | VOC content | Remark |
| | < 61.904 % | |
| | | |

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 g substances or of the mixture | roup of Conditions of restriction |
|--|---|--|
| diethylmethylbenzenediamine hydrocarbons, C9, aromatics 3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate | Liquid substances or mixtures which a regarded as dangerous in accordance Directive 1999/45/EC or are fulfilling t criteria for any of the following hazaro or categories set out in Annex I to Reg (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2 | with he — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects, .7, 2.8 2. Articles not complying with paragraph 1 shall not be placed on the market. 13. Shall not be placed on the market if they contain a colouring agent, unless required for rpes A to fiscal reasons, or perfume, or both, if they: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304, 4. Decorative oil lamps for supply to the general public shall not be placed on the market |
| Reason for revision: 15.1 | | Publication date: 2006-12-14 Date of revision: 2018-01-10 |
| Revision number: 0402 | | Product number: 44711 16 / 18 |

| | Soudal Primer 100 |
|---|--|
| | 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"; 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"; 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. 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. 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.' |
| hydrocarbons, C9, aromatics | 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. |
| <u>National legislation Belgium</u> <u>Soudal Primer 100</u> No data available | |
| <u>3-isocyanatomethyl-3,5,</u> Résorption peau | 5-trimethylcyclohexyl isocyanate Diisocyanate d'isophorone; 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 Net Soudal Primer 100 | |
| Waterbezwaarlijkheid <u>National legislation France</u> <u>Soudal Primer 100</u> No data available | Z (2) |
| National legislation German Soudal Primer 100 | NA CONTRACTOR OF A CONTRACTOR OFTA |
| 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 |
| diethylmethylbenzenedia | |
| TA-Luft 3-isocyanatomethyl-3,5, | 5-trimethylcyclohexyl isocyanate |
| TA-Luft | 5.2.5; 1 |
| Sensibilisierende Stoffe | 3-Isocyanatmethyl-3,5,5-trimethylcyclohexylisocyanat; Sa; Atemwegssensibilisierende Stoffe |
| <u>National legislation United I</u> <u>Soudal Primer 100</u> No data available | Kingdom |
| 3-isocyanatomethyl-3,5, | 5-trimethylcyclohexyl isocyanate |
| Skin Sensitisation | Isocyanates, all (as -NCO) Except methyl isocyanate; Sen |
| Respiratory sensitisation | n Isocyanates, all (as -NCO) Except methyl isocyanate; Sen |
| Other relevant data | |
| <u>Soudal Primer 100</u> No data available | |
| Reason for revision: 15.1 | Publication date: 2006-12-14 Date of revision: 2018-01-10 |
| Revision number: 0402 | Product number: 44711 17 / 18 |

. 100 ~

| hydrocarbons, C9, a A chemical safety as CCTION 16: Othe Full text of any H-state H226 Flammable li H302 Harmful if sw H304 May be fatal H312 Harmful in co H315 Causes skin i H317 May cause as H319 Causes serio H330 Fatal if inhale H332 Harmful if inl H334 May cause as H335 May cause d H336 May cause d H373 May cause d H373 May cause d H374 May cause d H375 May cause d H376 May cause d H376 May cause d H377 May cause d H377 May cause d H378 May cause d H378 May cause d | assessment has been conducted for the romatics assessment has been performed. rinformation ments referred to under heading 3: quid and vapour. vallowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. haled. lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or | g difficulties if inhale repeated exposure. ng (Globally Harmon | | |
|---|---|--|---|---|
| No chemical safety as hydrocarbons, C9, a A chemical safety as CTION 16: Othe Full text of any H-state H226 Flammable li H302 Harmful if sw H304 May be fatal H312 Harmful in cc H315 Causes skin i H317 May cause as H319 Causes serio H330 Fatal if inhale H332 Harmful if inl H334 May cause at H335 May cause of H336 May cause d H373 May cause d H374 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | assessment has been conducted for the romatics assessment has been performed. r information ments referred to under heading 3: quid and vapour. rallowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. haled. lergy or asthma symptoms or breathing sepiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. titic life with long lasting effects. titic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | g difficulties if inhale repeated exposure. ng (Globally Harmon | | |
| A chemical safety as CTION 16: Othe Full text of any H-state H226 Flammable li H302 Harmful if sw H304 May be fatal H312 Harmful in cc H315 Causes skin i H317 May cause al H319 Causes serior H330 Fatal if inhale H332 Harmful if inl H334 May cause d H335 May cause d H336 May cause d H336 May cause d H337 May cause d H337 May cause d H336 May cause d H337 May cause d H336 May cause d H337 May cause d H336 May cause d H337 May cause d H337 May cause d H336 May cause d H337 May cause d H336 May cause d H337 May cause d H337 May cause d H336 May cause d H337 May cause d H337 May cause d H336 May cause d H337 May cause d H340 Very toxic to H410 Very toxic to H4 | sessment has been performed. r information ments referred to under heading 3: quid and vapour. vallowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. aled. lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. tic life with long lasting effects. tic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| CTION 16: OtheFull text of any H-stateH226Flammable liH302Harmful if swH304May be fatalH315Causes skin iH317May cause atH319Causes seriotH330Fatal if inhaleH322Harmful if swH330Fatal if inhaleH332Harmful if inH334May cause atH335May cause dH336May cause dH337May cause dH400Very toxic toH411Toxic to aquat(*)CLP (EU-GHS)DMELDNELEC50ErC50LC50LD50 | r information ments referred to under heading 3: quid and vapour. vallowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. haled. lergy or asthma symptoms or breathing spiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. titic life with long lasting effects. titic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| Full text of any H-state H226 Flammable li H302 Harmful if sw H304 May be fatal H312 Harmful in cc H315 Causes skin i H317 May cause a H319 Causes serion H330 Fatal if inhale H332 Harmful if in H334 May cause a H335 May cause of H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | ments referred to under heading 3: quid and vapour. rallowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. haled. lergy or asthma symptoms or breathing sepiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. titic life with long lasting effects. titic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H226 Flammable li H302 Harmful if sw H304 May be fatal H312 Harmful in co H315 Causes skin i H317 May cause and H319 Causes serion H330 Fatal if inhale H332 Harmful if inh H334 May cause and H335 May cause and H336 May cause and H337 May cause and H338 May cause and H339 May cause and H310 Very toxic to H411 Toxic to aquat (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | quid and vapour. vallowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. haled. lergy or asthma symptoms or breathing sepiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. tic life with long lasting effects. tic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H302 Harmful if sw H304 May be fatal H312 Harmful in co H315 Causes skin i H317 May cause an H319 Causes serion H330 Fatal if inhale H332 Harmful if inh H334 May cause an H335 May cause of H336 May cause of H373 May cause of H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | allowed. if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. haled. lergy or asthma symptoms or breathing sepiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. tic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H304 May be fatal H312 Harmful in co H315 Causes skin i H317 May cause an H319 Causes serior H330 Fatal if inhale H332 Harmful if inl H334 May cause al H335 May cause d H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | if swallowed and enters airways. ontact with skin. rritation. n allergic skin reaction. us eye irritation. ed. lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. titic life with long lasting effects. titic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H312 Harmful in cc H315 Causes skin i H317 May cause an H319 Causes serior H330 Fatal if inhale H332 Harmful if inl H334 May cause al H335 May cause d H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | ontact with skin. rritation. n allergic skin reaction. us eye irritation. rd. haled. lergy or asthma symptoms or breathing spiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. tic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H315 Causes skin i H317 May cause an H319 Causes serior H330 Fatal if inhale H332 Harmful if inl H334 May cause al H335 May cause d H373 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | rritation. n allergic skin reaction. us eye irritation. ed. aled. lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. tic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H319 Causes serior H330 Fatal if inhale H332 Harmful if inh H334 May cause al H335 May cause d H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | us eye irritation. ed. haled. lergy or asthma symptoms or breathing spiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. httc life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H330 Fatal if inhale H332 Harmful if inl H334 May cause al H335 May cause d H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | ed. haled. lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. httc life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H332 Harmful if inl H334 May cause al H335 May cause d H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | haled. lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. atic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H334 May cause al H335 May cause re H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | lergy or asthma symptoms or breathing espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. atic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H335 May cause re H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. attic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | | |
| H336 May cause d H373 May cause d H400 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | rowsiness or dizziness. amage to organs through prolonged or aquatic life. aquatic life with long lasting effects. titic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | ised System in Europe) | |
| H400 Very toxic to H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LC50 LD50 | aquatic life. aquatic life with long lasting effects. titic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | ng (Globally Harmon | ised System in Europe) | |
| H410 Very toxic to H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | aquatic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | | ised System in Europe) | |
| H411 Toxic to aqua (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | | ised System in Europe) | |
| (*) CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | INTERNAL CLASSIFICATION BY BIG Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | | ised System in Europe) | |
| CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | | ised System in Europe) | |
| CLP (EU-GHS) DMEL DNEL EC50 ErC50 LC50 LD50 | Classification, labelling and packagin Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | | ised System in Europe) | |
| DMEL DNEL EC50 ErC50 LC50 LD50 | Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 % EC50 in terms of reduction of growt | | sea system in Europey | |
| DNEL EC50 ErC50 LC50 LD50 | D <mark>erived No Effect Level</mark> Effect Concentration 50 % EC50 in terms of reduction of growt | th rate | | |
| EC50 ErC50 LC50 LD50 | EC50 in terms of reduction of growt | th rate | | |
| LC50 LD50 | _ | th rate | | |
| LD50 | Lethal Concentration 50 % | uc | | |
| | | | | |
| NOAEL | Lethal Dose 50 % | | | |
| | No Observed Adverse Effect Level | | | |
| NOEC | No Observed Effect Concentration | | | |
| OECD | Organisation for Economic Co-opera | | ent | |
| PBT PNEC | Persistent, Bioaccumulative & Toxic Predicted No Effect Concentration | | | |
| STP | Sludge Treatment Process | | | |
| vPvB | very Persistent & very Bioaccumula | tive | | |
| M-factor | , | | | |
| diethylmethylbenze | nediamine | 1 | Acute | BIG |
| Specific concentration | | E | | |
| · . | -3,5,5-trimethylcyclohexyl isocyanate | C ≥ 0,5 % | Resp. Sens. 1; H334 | CLP Annex VI (ATP |
| | | C ≥ 0,5 % | Skin Sens.1; H317 | CLP Annex VI (ATP |
| | | | | |
| state of knowledge of the substances/p may be used. Old ve substances/prepara substances/prepara take all measures di circumstances. BIG parties. This safety of in other countries, v local legislation. Use failing the general c | his safety data sheet is based on data a at that time. The safety data sheet only reparations/mixtures mentioned under ersions must be destroyed. Unless indic tions/mixtures in purer form, mixed wi tions/mixtures in question. Compliance ctated by common sense, regulations a does not guarantee the accuracy or exh data sheet has been elaborated for use where local legislation with regards to th e of this safety data sheet is subject to t onditions of BIG. All intellectual propert hed agreement/conditions for details. | y constitutes a guidel r point 1. New safety ated otherwise word ith other substances e with the instructior and recommendatior haustiveness of the ir within the Europear the set-up of safety d the licence and liabili | ine for the safe handling, use, consu data sheets are written from time t for word on the safety data sheet, t or in processes. The safety data sheet is in this safety data sheet does not so which are necessary and/or use formation provided and cannot be Union, Switzerland, Iceland, Norwa ata sheets will take precedence. It is ty limiting conditions as stated in you | mption, storage, transport and disp o time. Only the most recent versio the information does not apply to et offers no quality specification for release the user from the obligation ful based on the real applicable held liable for any changes by third y and Lichtenstein. It may be consu your obligation to verify and apply ur BIG licence agreement or when t |

Reason for revision: 15.1

Γ

Publication date: 2006-12-14 Date of revision: 2018-01-10