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

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

1.2.1 Relevant identified uses

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
☎ +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
☎ +32 14 42 42 31
 +32 14 42 65 14
msds@soudal.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Class	Category	Hazard statements
Flam. Liq.	category 3	H226: Flammable liquid and vapour.
Acute Tox.	category 4	H332: Harmful if inhaled.
STOT RE	category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
STOT SE	category 3	H335: May cause respiratory irritation.
STOT SE	category 3	H336: May cause drowsiness or dizziness.
Skin Sens.	category 1	H317: May cause an allergic skin reaction.
Aquatic Chronic	category 2	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; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers.

Signal word Warning

H-statements

H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H319 Causes serious eye irritation.

H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H317	May cause an allergic skin reaction.
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

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	10%<C<25%	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-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate 01-0000015906-63	140921-24-0 411-700-4	0.1%<C<1%	Skin Sens. 1; H317	(1)	Constituent
hydrocarbons, C9, aromatics 01-2119455851-35		25%<C<50%	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-trimethylcyclohexyl isocyanate 01-2119490408-31	4098-71-9 223-861-6	0.1%<C<1%	Acute Tox. 1; H330 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317 Aquatic Chronic 2; H411	(1)(2)(8)(10)	Constituent
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers 01-2119488734-24		25%<C<50%	STOT SE 3; H335 Skin Sens. 1; H317	(1)	Polymer
(benzene, conc<0.1%)					

(1) For H-statements in full: see heading 16
(8) Specific concentration limits, see heading 16
(2) Substance with a Community workplace exposure limit
(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.

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. 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:

Polyvalent foam. BC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

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 sections

See heading 13.

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.

Belgium

Diisocyanate d'isophorone	Time-weighted average exposure limit 8 h	0.005 ppm
	Time-weighted average exposure limit 8 h	0.046 mg/m³

The Netherlands

Isoforondiisocyanaat (IPDI)	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.0054 ppm
	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.05 mg/m³
	Short time value (Private occupational exposure limit value)	0.021 ppm
	Short time value (Private occupational exposure limit value)	0.19 mg/m³

France

Diisocyanate d'isophorone	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.01 ppm
	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.09 mg/m³
	Short time value (VL: Valeur non réglementaire indicative)	0.02 ppm
	Short time value (VL: Valeur non réglementaire indicative)	0.18 mg/m³

Germany

3-Isocyanatmethyl-3,5,5-trimethylcyclohexylisocyanat	Time-weighted average exposure limit 8 h (TRGS 900)	0.005 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	0.046 mg/m³

UK

Isocyanates, all (as -NCO) Except methyl isocyanate	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.02 mg/m³
	Short time value (Workplace exposure limit (EH40/2005))	0.07 mg/m³

USA (TLV-ACGIH)

Isophorone diisocyanate	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.005 ppm

b) National biological limit values

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

8.1.2 Sampling methods

If applicable and available it will be listed below.

1,5-Naphthalene diisocyanate (Glycols)	NIOSH	5525
1,6-Hexamethylene diisocyanate (Glycols)	NIOSH	5525
4,4'-Methylenebis(cyclohexylisocyanate) (Glycols)	NIOSH	5525
4,4'-Methylenebis(phenylisocyanate (Glycols))	NIOSH	5525
Isophorone diisocyanate (Glycols)	NIOSH	5525
Isophorone Diisocyanate	OSHA	2034

Toluene 2,4-diisocyanate (Glycols)	NIOSH	5525
Toluene 2,6-diisocyanate (Glycols)	NIOSH	5525

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

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

8.1.4 DNEL/PNEC values

DNEL/DMEL - Workers

diethylmethylbenzenediamine

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.13 mg/m³	
	Long-term systemic effects dermal	1 mg/kg bw/day	

hydrocarbons, C9, aromatics

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	150 mg/m³	
	Long-term systemic effects dermal	25 mg/kg bw/day	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	0.0453 mg/m³	
	Acute local effects inhalation	0.0453 mg/m³	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	0.29 mg/m³	
	Acute local effects inhalation	0.58 mg/m³	

DNEL/DMEL - General population

diethylmethylbenzenediamine

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.1 mg/m³	
	Long-term systemic effects dermal	1 mg/kg bw/day	
	Long-term systemic effects oral	0.1 mg/kg bw/day	

hydrocarbons, C9, aromatics

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	32 mg/m³	
	Long-term systemic effects dermal	11 mg/kg bw/day	
	Long-term systemic effects oral	11 mg/kg bw/day	

PNEC

diethylmethylbenzenediamine

Compartments	Value	Remark
Fresh water	0.001 mg/l	
Marine water	0 mg/l	
Aqua (intermittent releases)	0.005 mg/l	
STP	17 mg/l	
Fresh water sediment	0.029 mg/kg sediment dw	
Marine water sediment	0.003 mg/kg sediment dw	
Soil	5.6 µg/kg soil dw	
Oral	2 mg/kg food	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Compartments	Value	Remark
Fresh water	0.06 mg/l	
Salt water	0.006 mg/l	
Aqua (intermittent releases)	0.04 mg/l	
STP	10.6 mg/l	
Fresh water sediment	218.92 mg/kg sediment dw	
Marine water sediment	21.89 mg/kg sediment dw	
Soil	44.01 mg/kg soil dw	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Compartments	Value	Remark
Fresh water	0.0015 mg/l	
Salt water	0.00015 mg/l	
Aqua (intermittent releases)	0.015 mg/l	
STP	100 mg/l	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

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

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. 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:

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

b) Hand protection:

Gloves.

- materials (good resistance)

Polyethylene.

c) Eye protection:

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
Flash point	47 °C
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 temperature	no data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	no data available

9.2. Other information

Absolute density	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

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

No (test)data on the mixture available

diethylmethylbenzenediamine

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	738 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation (aerosol)	LC50		> 2.45 mg/l	1 h	Rat (male/female)	Experimental value	

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	> 2000 mg/kg bw		Rat (male/female)	Experimental value	

hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 6984 mg/kg bw		Rat (male)	Experimental value	
Oral	LD50		3492 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 3160 mg/kg bw	24 h	Rabbit (male/female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 6.193 mg/l air	4 h	Rat (male/female)	Experimental value	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	4814 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	> 7000 mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation (aerosol)	LC50	OECD 403	0.031 mg/l air	4 h	Rat (male/female)	Experimental value	
Inhalation (aerosol)	NOEL	OECD 403	< 18 mg/m³ air	4 h	Rat (male/female)	Experimental value	

Classification is based on the relevant ingredients

Conclusion

Harmful if inhaled.

Not classified as acute toxic in contact with skin

Not classified as acute toxic if swallowed

Corrosion/irritation

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	EPA 16 CFR 1500.42		24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	4 h	72 hours	Rabbit	Experimental value	

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	EU Method B.5		24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	EU Method B.4	4 h	24; 48; 72 hours	Rabbit	Experimental value	

hydrocarbons, C9, aromatics

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		1; 24; 48; 72 hours	Rabbit	Experimental value	
Skin	Slightly irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Inhalation	Irritating; STOT SE cat.3					Expert judgement	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Highly irritating	Equivalent to OECD 405	30 seconds	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Irritating; category 2					Annex VI	
Inhalation (aerosol)	Highly irritating	Human observation study	1 minutes - 5 minutes		Human	Experimental value	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Inhalation	Irritating; STOT SE cat.3					Literature study	

Classification is based on the relevant ingredients

Conclusion

Causes serious eye irritation.
May cause respiratory irritation.
Not classified as irritating to the skin

Respiratory or skin sensitisation

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing			24; 48 hours	Guinea pig	Experimental value	

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	EU Method B.6		24; 48 hours	Guinea pig (male/female)	Experimental value	

hydrocarbons, C9, aromatics

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406		24; 48 hours	Guinea pig (female)	Experimental value	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	OECD 406		24; 48 hours	Guinea pig	Experimental value	
Inhalation (aerosol)	Negative	Equivalent to OECD 403			Guinea pig (female)	Experimental value	
Inhalation (aerosol)	Positive	Human observation			Human (male)	Experimental value	

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	OECD 429			Mouse (female)	Experimental value	

Classification is based on the relevant ingredients

Conclusion

May cause an allergic skin reaction.
Not classified as sensitizing for inhalation

Specific target organ toxicity

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (diet)	NOAEL	Equivalent to OECD 408	8 mg/kg bw/day		No effect	90 day(s)	Rat (male)	Experimental value
Oral	LOAEL	Equivalent to OECD 408	21 mg/kg bw/day	Various organs	Weight reduction	90 day(s)	Rat (male)	Experimental value
Oral	LOAEL	Equivalent to OECD 408	27 mg/kg bw/day	Various organs	Weight reduction	90 day(s)	Rat (female)	Experimental value
Dermal	NOAEL	Subchronic toxicity test	> 100 mg/l		No effect	3 weeks (5 days/week)	Rabbit (male/female)	Experimental value

hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	Equivalent to OECD 408	600 mg/kg bw/day		No effect	13 weeks (daily)	Rat (male/female)	Read-across
Dermal								Data waiving
Inhalation (vapours)	NOAEC	Equivalent to OECD 452	1800 mg/m³ air		No effect	52 weeks (6h/day, 5 days/week)	Rat (male)	Read-across

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Inhalation	NOAEC	OECD 412	0.24 mg/m³ air	Respiratory tract	No effect	4 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Inhalation	LOAEC	OECD 412	1.05 mg/m³ air	Larynx	Histopathological changes	4 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Inhalation	NOAEC	OECD 413	0.27 mg/m³ air	Respiratory tract	No effect	13 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Inhalation	LOAEC	OECD 413	1.1 mg/m³ air	Larynx	Histopathological changes	13 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Inhalation (dust)	NOAEC	OECD 413	2.9 mg/m³ air	Respiratory tract	Irritation of the respiratory tract	13 week(s)	Rat (male/female)	Experimental value
Inhalation (dust)	LOAEC	OECD 413	15 mg/m³ air	Respiratory tract	Irritation of the respiratory tract	13 week(s)	Rat (male/female)	Experimental value

Classification is based on the relevant ingredients

Conclusion

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Mutagenicity (in vitro)

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

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

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Result	Method	Test substrate	Effect	Value determination
Negative	OECD 471	Bacteria (S.typhimurium)		Experimental value

hydrocarbons, C9, aromatics

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

3-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

Mutagenicity (in vivo)

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	OECD 474		Mouse (male/female)	Blood	Experimental value

hydrocarbons, C9, aromatics

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Equivalent to OECD 475	5 day(s)	Rat (male)	Bone marrow	Experimental value

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	OECD 474	6 h	Mouse (male)	Bone marrow	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Oral	LOAEL	Equivalent to OECD 451	> 3.2 mg/kg bw/day	104 weeks (daily)	Rat (male)	Carcinogenicity	Liver	Experimental value
Oral	LOAEL	Equivalent to OECD 451	> 3.8 mg/kg bw/day	104 weeks (daily)	Rat (female)	Carcinogenicity	Liver	Experimental value
Oral	LOAEL	Equivalent to OECD 451	> 3.2 mg/kg bw/day	104 weeks (daily)	Rat (male)	Tumor formation	Thyroid	Experimental value
Oral	LOAEL	Equivalent to OECD 451	≥ 3.8 mg/kg bw/day	104 weeks (daily)	Rat (female)	Tumor formation	Thyroid	Experimental value
Oral	LOAEL	Equivalent to OECD 451	> 1.8 mg/kg bw/day	104 weeks (daily)	Rat (female)	Tumor formation	Mammary gland	Experimental value

hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Unknown								Data waiving

Judgement is based on the relevant ingredients

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 414	7.83 mg/kg bw/day	20 days (gestation, daily)	Rat	No effect	Foetus	Experimental value
Maternal toxicity	NOEL	OECD 414	2.63 mg/kg bw/day	20 days (gestation, daily)	Rat (female)	No effect		Experimental value
Effects on fertility								Data waiving

hydrocarbons, C9, aromatics

	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/m³		Rat (male/female)	No effect		Experimental value

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
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/m³ air	2 weeks (6h/day, 7 days/week)	Rat (female)	No effect		Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudal Primer 100

No (test)data on the mixture available

hydrocarbons, C9, aromatics

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

Classification is based on the relevant ingredients

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/inflammation. Respiratory difficulties.

SECTION 12: Ecological information

12.1. Toxicity

Soudal Primer 100

No (test)data on the mixture available

diethylmethylbenzenediamine

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	DIN 38412-15	200 mg/l	48 h	Leuciscus idus	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	EU Method C.2	0.5 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	ErC50	OECD 201	104 mg/l	72 h	Desmodesmus subspicatus	Static system	Fresh water	Experimental value; GLP
	NOEC	OECD 201	32 mg/l	72 h	Desmodesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea								Data waiving
Toxicity aquatic micro-organisms	EC50	Other	> 170 mg/l	24 h	Pseudomonas putida	Static system	Fresh water	Experimental value; Nominal concentration

	Parameter	Method	Value	Duration	Species	Value determination
Toxicity soil micro-organisms						Data waiving
Toxicity terrestrial plants						Data waiving
Toxicity birds						Data waiving

hydrocarbons, C9, aromatics

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	9.2 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EL50	OECD 202	3.2 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EL50	OECD 201	2.9 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	EU Method C.1	> 72 mg/l	96 h	Danio rerio	Static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	EU Method C.2	27 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
	LC50		4 mg/l	96 h	Chaetogammarus marinus	Semi-static system	Marine water	Experimental value
Toxicity algae and other aquatic plants	EC50	EU Method C.3	> 70 mg/l	72 h	Scenedesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Long-term toxicity aquatic crustacea	NOEC	OECD 202	3 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Read-across
	LOEC	OECD 202	10 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Read-across
Toxicity aquatic micro-organisms	EC50	OECD 209	263 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; GLP

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	EU Method C.1	> 1.5 mg/l	96 h	Cyprinus carpio	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	> 3.36 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EC50	OECD 201	> 3.1 mg/l	72 h	Scenedesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC50	OECD 209	> 10000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; GLP

Classification is based on the relevant ingredients

Conclusion

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

diethylmethylbenzenediamine

Biodegradation water

Method	Value	Duration	Value determination
EU Method C.4	0 %; Oxygen consumption	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	1.48 h	500000 /cm³	QSAR

hydrocarbons, C9, aromatics

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	77 %; GLP	28 day(s)	Experimental value

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Biodegradation water

Method	Value	Duration	Value determination
EU Method C.4	0 %; GLP	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.90	1.8 day(s)	500000 /cm³	QSAR

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
OECD 111: Hydrolysis as a function of pH	< 7.2 h		Experimental value

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	0 %; GLP	28 day(s)	Experimental value

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
OECD 111: Hydrolysis as a function of pH	< 12 h; GLP		Experimental value

Conclusion

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

Soudal Primer 100

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

diethylmethylbenzenediamine

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFBAF v3.00	2.75; Fresh weight			QSAR

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		1.4	25 °C	Experimental value

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Log Kow

Method	Remark	Value	Temperature	Value determination
	no data available			

hydrocarbons, C9, aromatics

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	EPIWIN BCF (v 2.15)	10 - 2500			Calculated value

Log Kow

Method	Remark	Value	Temperature	Value determination
	no data available			

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	EPIWIN BCF (v 2.15)	910			QSAR

Log Kow

Method	Remark	Value	Temperature	Value determination
Other		4.75	25 °C	QSAR

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Log Kow

Method	Remark	Value	Temperature	Value determination
KOWWIN		14.48	25 °C	QSAR

Conclusion

Contains bioaccumulative component(s)

12.4. Mobility in soil

diethylmethylbenzenediamine

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v1.66	2.12 - 2.23	QSAR

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

(log) Koc

Parameter	Method	Value	Value determination
Koc	PCKOCWIN v1.66	36450	QSAR
log Koc	PCKOCWIN v1.66	4.562	QSAR

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
6.66 Pa.m³/mol		25 °C		QSAR

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level I	3.2113 %	0.0273 %	43.6256 %	43.1462 %	9.7034 %	QSAR

Conclusion

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

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

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Soudal Primer 100

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

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

Ozone-depleting potential (ODP)

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

hydrocarbons, C9, aromatics

Ground water

Ground water pollutant

SECTION 13: Disposal considerations

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

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014.
Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).
08 01 11* (wastes from MFSU and removal of paint and varnish: waste paint and varnish containing organic solvents or other hazardous substances).
Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

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

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1. UN number

UN number	1263

14.2. UN proper shipping name

Proper shipping name	Paint related material

14.3. Transport hazard class(es)

Hazard identification number	30
Class	3
Classification code	F1

14.4. Packing group

Packing group	III
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	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)

Rail (RID)

14.1. UN number

UN number	1263

14.2. UN proper shipping name

Proper shipping name	Paint related material

14.3. Transport hazard class(es)

Hazard identification number	30
Class	3
Classification code	F1

14.4. Packing group

Packing group	III
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	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)

Inland waterways (ADN)

14.1. UN number

UN number	1263

14.2. UN proper shipping name

Proper shipping name	Paint related material

14.3. Transport hazard class(es)

Class	3
Classification code	F1

14.4. Packing group

Packing group	III
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	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)

Sea (IMDG/IMSBC)

14.1. UN number

UN number	1263

14.2. UN proper shipping name

Proper shipping name	paint related material

14.3. Transport hazard class(es)

Class	3

14.4. Packing group

Packing group	III
Labels	3

14.5. Environmental hazards

Marine pollutant	P
Environmentally hazardous substance mark	yes

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

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

Air (ICAO-TI/IATA-DGR)

14.1. UN number

UN number	1263

14.2. UN proper shipping name

Proper shipping name	Paint related material

14.3. Transport hazard class(es)

Class	3

14.4. Packing group

Packing group	III
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	yes

14.6. Special precautions for user

Special provisions	A3
Special provisions	A72
Special provisions	A192
limited quantities: maximum net quantity per packaging	10 L

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
< 61.904 %	
< 625.2304 g/l	

REACH Annex XVII - Restriction

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

· diethylmethylbenzenediamine · hydrocarbons, C9, aromatics · 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13	1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects,2. Articles not complying with paragraph 1 shall not be placed on the market.3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:

	categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	— 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 unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life- threatening lung damage"; 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.	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following: — metallic glitter intended mainly for decoration, — artificial snow and frost, — "whoopee" cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs.2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: "For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

National legislation Belgium

Soudal Primer 100

No data available

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Résorption peau	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 Netherlands

Soudal Primer 100

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03

National legislation France

Soudal Primer 100

No data available

National legislation Germany

Soudal Primer 100

WGK	2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

diethylmethylbenzenediamine

TA-Luft	5.2.5; I

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

TA-Luft	5.2.5; I
Sensibilisierende Stoffe	3-Isocyanatmethyl-3,5,5-trimethylcyclohexylisocyanat; Sa; Atemwegssensibilisierende Stoffe

National legislation United Kingdom

Soudal Primer 100

No data available

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

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

Other relevant data

Soudal Primer 100

No data available

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

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

M-factor

diethylmethylbenzenediamine	1	Acute	BIG

Specific concentration limits CLP

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	C ≥ 0,5 %	Resp. Sens. 1; H334	CLP Annex VI (ATP 0)
	C ≥ 0,5 %	Skin Sens.1; H317	CLP Annex VI (ATP 0)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.