

Soudal Incoat ML, Aerosol

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

1.1 Product identifier:

Product name : Soudal Incoat ML, Aerosol
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Coating

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

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

Manufacturer of the product

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

1.4 Emergency telephone number:

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

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

Class	Category	Hazard statements
Aerosol	category 1	H222: Extremely flammable aerosol.
Aerosol	category 1	H229: Pressurised container: May burst if heated.
Skin Irrit.	category 2	H315: Causes skin irritation.
STOT SE	category 3	H336: May cause drowsiness or dizziness.
Aquatic Chronic	category 2	H411: Toxic to aquatic life with long lasting effects.

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC

F+; R12 - Extremely flammable.

Xi; R38 - Irritating to skin.

R67 - Vapours may cause drowsiness and dizziness.

N; R51-53 - Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)

Drawn up according to the criteria of Regulation (EU) No 487/2013, 4th adaptation of Regulation (EC) No 1272/2008

Soudal Incoat ML, Aerosol



Contains: naphtha (petroleum), hydrodesulfurized heavy.

Signal word

Danger

H-statements

- | | |
|------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin 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. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P280 | Wear protective gloves. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulation. |

Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Labels



Extremely flammable



Irritant



Dangerous for the environment

R-phrases

- | | |
|-------|--|
| 38 | Irritating to skin |
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| 67 | Vapours may cause drowsiness and dizziness |

S-phrases

- | | |
|----|---|
| 02 | Keep out of the reach of children |
| 16 | Keep away from sources of ignition - No smoking |
| 23 | Do not breathe spray |
| 24 | Avoid contact with skin |
| 51 | Use only in well-ventilated areas |
| 61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

Additional recommendations

- Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.

2.3 Other hazards:

CLP

- May be ignited by sparks
Gas/vapour spreads at floor level: ignition hazard
Aerosol may explode under the effect of heat
Slightly irritant to eyes

DSD/DPD

- May be ignited by sparks
Gas/vapour spreads at floor level: ignition hazard
Aerosol may explode under the effect of heat
Slightly irritant to eyes

SECTION 3: Composition/information on ingredients

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Product number: 33985

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3.1 Substances:

Not applicable

3.2 Mixtures:

Name (REACH Registration No)	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
Naphtha (petroleum), hydrodesulfurized heavy (01-2119490979-12)	64742-82-1 265-185-4	C>25%	Xn; R65 Xi; R38 R10 R67 N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	UVCB
Naphtha (petroleum), hydrotreated heavy (01- 2119557907-23)	64742-48-9 265-150-3	1%<C<5%	Xn; R65 Xi; R38 R10 R67 N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	UVCB
butane (01-2119474691-32)	106-97-8 203-448-7	C>25 %	F+; R12	Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
propane (01-2119486944-21)	74-98-6 200-827-9	1%<C<5%	F+; R12	Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant

(1) For R-phrases and H-statements in full: 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. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:

Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

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

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

4.2.1 Acute symptoms

After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Dizziness. Nausea. Dry/sore throat. Headache. Narcosis. Irritation of the respiratory tract.

After skin contact:

Tingling/irritation of the skin. Red skin.

After eye contact:

Redness of the eye tissue. Slight irritation.

After ingestion:

Nausea. Vomiting.

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:

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5.1.1 Suitable extinguishing media:

BC powder. Carbon dioxide. Sand/earth.

5.1.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

5.2 Special hazards arising from the substance or mixture:

Upon combustion: CO and CO₂ are formed.

5.3 Advice for firefighters:

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion. 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:

Dam up the liquid spill. Use appropriate containment to avoid environmental contamination.

6.3 Methods and material for containment and cleaning up:

Take up liquid spill into inert 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:

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Remove contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Store in a cool area. 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:

Aerosol.

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.

The Netherlands

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n-Butaan	Time-weighted average exposure limit 8 h	592 ppm 1430 mg/m ³	Private occupational exposure limit value
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Belgium

Hydrocarbures aliphatiques sous forme gazeuse : (Alcanes C1-C4)	Time-weighted average exposure limit 8 h	1000 ppm	
	Time-weighted average exposure limit 8 h	1000 ppm	

USA (TLV-ACGIH)

Butane, all isomers	Time-weighted average exposure limit 8 h	1000 ppm	TLV - Adopted Value
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Germany

Butan	Time-weighted average exposure limit 8 h	1000 ppm 2400 mg/m ³	TRGS 900
Propan	Time-weighted average exposure limit 8 h	1000 ppm 1800 mg/m ³	TRGS 900

France

n-Butane	Time-weighted average exposure limit 8 h	800 ppm 1900 mg/m ³	VL: Valeur non réglementaire indicative
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UK

Butane	Short time value	750 ppm 1810 mg/m ³	Workplace exposure limit (EH40/2005)
	Time-weighted average exposure limit 8 h	600 ppm 1450 mg/m ³	Workplace exposure limit (EH40/2005)

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.

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

PNEC

Naphtha (petroleum), hydrodesulfurized heavy

Compartment	Value	Remark
Soil	0.4-20.8 mg/kg soil dw	

Petrolatum (petroleum), oxidized

Compartment	Value	Remark
Food	9.33 mg/kg food	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

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

8.2.1 Appropriate engineering controls

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:

High gas/vapour concentration: gas mask with filter type A.

b) Hand protection:

Gloves.

Materials	Breakthrough time	Thickness
nitrile rubber	>480 minutes	

- materials (good resistance)

Nitrile rubber.

c) Eye protection:

Protective goggles.

d) Skin protection:

Protective clothing.

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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	Aerosol
Odour	Characteristic odour
Odour threshold	No data available
Colour	Brown
Particle size	No data available
Explosion limits	0.6 - 8.5 vol %
Flammability	Extremely flammable aerosol.
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	-44 °C
Flash point	Not applicable
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	2.1 hPa ; 20 °C 15 hPa ; 50 °C
Solubility	water ; insoluble
Relative density	0.73
Decomposition temperature	No data available
Auto-ignition temperature	200 °C
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

Physical hazards

Flammable aerosol

9.2 Other information:

Minimum ignition energy	No data available
Absolute density	730 kg/m ³

SECTION 10: Stability and reactivity

10.1 Reactivity:

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. 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:

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5 Incompatible materials:

No data available.

10.6 Hazardous decomposition products:

Upon combustion: CO and CO₂ are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

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Acute toxicity

Soudal Incoat ML, Aerosol

No (test) data on the mixture available

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	Equivalent to OECD 401	>5000 mg/kg		Rat	Male/female	Experimental value
				24 h			
Inhalation (vapours)	LC50	Equivalent to OECD 403	>5610 mg/m ³ air		Rat	Male/female	Experimental value

Petrolatum (petroleum), oxidized

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	Equivalent to OECD 401	>5000 mg/kg bw		Rat	Male/female	Read-across
Dermal	LD50	OECD 402	>2000 mg/kg bw	24 h	Rat	Male/female	Read-across

Naphtha (petroleum), hydrotreated heavy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	Equivalent to OECD 401	>5000 mg/kg bw		Rat	Male/female	Experimental value
Dermal	LD50	Equivalent to OECD 402	>2000 mg/kg bw	24 h	Rabbit	Male/female	Experimental value
Inhalation (vapours)	LC50	Equivalent to OECD 403	>5610 mg/m ³ air	4 h	Rat	Male/female	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Soudal Incoat ML, Aerosol

No (test) data on the mixture available

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hrs; 4 days	Rabbit	Experimental value
Skin	Irritating	OECD 404	4 h	1; 24; 48; 72; 168 hours	Rabbit	Experimental value

Petrolatum (petroleum), oxidized

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Not irritating	Equivalent to OECD 405		1; 24; 48; 72; 168 hours	Rabbit	Read-across
Skin	Not irritating	OECD 404	4 h	24; 72 hours	Rabbit	Read-across

Naphtha (petroleum), hydrotreated heavy

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value
Skin	Irritating	OECD 404	4 h	1; 24; 48; 72; 168 hours	Rabbit	Experimental value

Classification is based on the relevant ingredients

Conclusion

Causes skin irritation.

Not classified as irritating to the eyes

Respiratory or skin sensitisation

Soudal Incoat ML, Aerosol

No (test) data on the mixture available

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Skin	Not sensitizing	Equivalent to OECD 406		24; 48 hours	Guinea pig	Male	Experimental value

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Petrolatum (petroleum), oxidized

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Skin	Not sensitizing	Equivalent to OECD 406			Guinea pig	Male/female	Read-across

Naphtha (petroleum), hydrotreated heavy

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Skin	Not sensitizing	Equivalent to OECD 406	6 h	24; 48 hours	Guinea pig	Male	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not sensitizing for skin

Specific target organ toxicity

Soudal Incoat ML, Aerosol

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
					Drowsiness, dizziness				Literature study

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral (stomach tube)	NOEL	Subacute toxicity test	<500 mg/kg bw/day	Kidney	No effect	4 weeks (5 days/week)	Rat	Male	Experimental value
Dermal	NOAEL	Equivalent to OECD 453	0.5 ml		No effect		Mouse	Male/female	
Dermal	NOEL	Equivalent to OECD 410	<200 mg/kg bw/day	Skin	No effect	4 weeks (3 times/week)	Rabbit	Male/female	Experimental value
Dermal	NOEL	Equivalent to OECD 410	>2000 mg/kg bw/day	General	No effect	4 weeks (3 times/week)	Rabbit	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 453	1402 mg/m ³ air		No effect	107-109 weeks (6h/day, 5	Rat	Male/female	
Inhalation					Drowsiness, dizziness				Literature study

Petrolatum (petroleum), oxidized

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral (diet)	NOAEL	Equivalent to OECD 453	5000 mg/kg bw/day		No effect	2 year(s)	Rat	Male/female	Experimental value
Dermal	LOAEL	Equivalent to OECD 411	30 mg/kg bw/day	General	Histopathology	13 weeks (5 days/week)	Rat	Male/female	Read-across

Naphtha (petroleum), hydrotreated heavy

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral	NOEL		<500 mg/kg bw/day			4 weeks (daily, 5 days/week)	Rat	Male	Experimental value
Dermal	NOEL	Equivalent to OECD 410	>2000 mg/kg bw/day			4 weeks (6h/day, 3 days/week)	Rabbit	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 412	9840 mg/m ³ air			4 weeks (6h/day, 5 days/week)	Rat	Male/female	Experimental value

Classification is based on the relevant ingredients

Conclusion

May cause drowsiness or dizziness.

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Soudal Incoat ML, Aerosol

No (test)data on the mixture available

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Naphtha (petroleum), hydrodesulfurized heavy

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
Negative	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value

Petrolatum (petroleum), oxidized

Result	Method	Test substrate	Effect	Value determination
Positive with metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)		Read-across
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 473	Chinese hamster ovary (CHO)	No effect	Read-across
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Read-across

Naphtha (petroleum), hydrotreated heavy

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)		Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Yeast (S. cerevisiae)		Experimental value

Mutagenicity (in vivo)

Soudal Incoat ML, Aerosol

No (test)data on the mixture available

Naphtha (petroleum), hydrodesulfurized heavy

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative	EPA OPPTS 870.5395	4 weeks (6h/day, 5 days/week)	Rat	Male/female		Experimental value

Petrolatum (petroleum), oxidized

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative	OECD 474		Mouse	Male/female	Bone marrow	Read-across

Naphtha (petroleum), hydrotreated heavy

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative	EPA OTS 798.5395	4 weeks (6h/day, 5 days/week)	Rat	Male/female		Experimental value
Negative	Equivalent to OECD 475	5 day(s)	Rat	Male		Experimental value

Carcinogenicity

Soudal Incoat ML, Aerosol

No (test)data on the mixture available

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Dermal	NOAEL	Equivalent to OECD 451	0.05 ml	102 weeks (3 times/week)	Mouse	Male	Experimental value		No effect

Petrolatum (petroleum), oxidized

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Dermal	Dose level	Not further determined	50 mg/animal	80 2 times/week	Mouse	Male	Experimental value		No effect
Oral	NOAEL	Equivalent to OECD 451	5000 mg/kg bw/day	2 year(s)	Rat	Male/female	Experimental value		No carcinogenic effect

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Soudal Incoat ML, Aerosol

Naphtha (petroleum), hydrotreated heavy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Dermal	NOAEL	Equivalent to OECD 451	0.05 mg/l	102 weeks (3 times/week)	Mouse	Male	Experimental value		

Reproductive toxicity

Soudal Incoat ML, Aerosol

No (test)data on the mixture available

Naphtha (petroleum), hydrodesulfurized heavy

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	23900 mg/m ³ air	14 days (6h/day)	Rat	Female	No effect	Foetus	Experimental value
Maternal toxicity	NOAEL	Equivalent to OECD 414	23900 mg/m ³ air	14 days (6h/day)	Rat	Female	No effect		Experimental value
Effects on fertility	NOAEC	Equivalent to OECD 416	>=20000 mg/m ³ air		Rat	Male/female	No effect		Experimental value

Petrolatum (petroleum), oxidized

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	2000 mg/kg bw/day	20 day(s)	Rat		No effect	Foetus	Read-across
Maternal toxicity	LOAEL	Equivalent to OECD 414	125 mg/kg bw/day	20 day(s)	Rat		irritation	Skin	Read-across
Effects on fertility	NOAEL	OECD 421	>=1000 mg/kg	30-39 day(s)	Rat	Male/female	No effect		Read-across

Naphtha (petroleum), hydrotreated heavy

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	23900 mg/m ³	20 days (6h/day)	Rat	Female			Experimental value
Effects on fertility	NOAEC (P/F1)	Equivalent to OECD 416	>=20000 mg/m ³ air	23 weeks (6h/day, 7 days/week)	Rat	Male/female			Experimental value
	NOAEL (P/F1)	Equivalent to OECD 421	24700 mg/m ³ air	9 weeks (6h/day, 7 days/week)	Rat	Male/female			Experimental value

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudal Incoat ML, Aerosol

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Soudal Incoat ML, Aerosol

No effects known.

SECTION 12: Ecological information

12.1 Toxicity:

Soudal Incoat ML, Aerosol

No (test)data on the mixture available

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Soudal Incoat ML, Aerosol

Naphtha (petroleum), hydrodesulfurized heavy

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	10 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; Lethal
Acute toxicity invertebrates	EL50	OECD 202	4.5 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	EL50	OECD 201	3.1 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOELR	OECD 204	2.6 mg/l	14 day(s)	Pimephales promelas	Semi-static system	Fresh water	Experimental value; Lethal
Long-term toxicity aquatic invertebrates	NOELR	OECD 211	2.6 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC50		15.41 mg/l	40 h	Tetrahymena pyriformis		Fresh water	QSAR; Growth

Petrolatum (petroleum), oxidized

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	>100 mg/l	96 h	Pimephales promelas	Static system	Fresh water	Read-across; Lethal
Acute toxicity invertebrates	LL50	Equivalent to OECD 202	>10000 mg/l	96 h	Gammarus pulex	Semi-static system	Fresh water	Read-across; Lethal
Toxicity algae and other aquatic plants	NOEL	OECD 201	>=100 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Read-across; Cell numbers
Long-term toxicity fish	NOEL		>+1000 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	QSAR; Lethal
Long-term toxicity aquatic invertebrates	NOEL	Equivalent to OECD 211	10 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Read-across; Reproduction
Toxicity aquatic micro-organisms	NOEL	Other	>2.17 mg/l	10 minutes	Soil micro-organisms	Static system	Fresh water	Read-across

Naphtha (petroleum), hydrotreated heavy

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	10 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Similar product; GLP
Acute toxicity invertebrates	EC50	OECD 202	4.5 mg/l	48 h	Daphnia magna	Static system	Fresh water	Similar product; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	3.1 mg/l	72 h	Selenastrum capricornutum	Static system	Fresh water	Similar product; GLP
Long-term toxicity fish	NOEL	OECD 204	2.6 mg/l	14 day(s)	Pimephales promelas	Semi-static system	Fresh water	Similar product; GLP
Long-term toxicity aquatic invertebrates	NOEL	OECD 211	2.6 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Similar product; GLP

Classification is based on the relevant ingredients

Conclusion

Toxic to fishes

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:

Naphtha (petroleum), hydrodesulfurized heavy

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	77.05 %	28 day(s)	Experimental value
ISO 14593	90.35 %	28 day(s)	Experimental value

Naphtha (petroleum), hydrotreated heavy

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	77.05 %	28 day(s)	Experimental value

Conclusion

Contains readily biodegradable component(s)

12.3 Bioaccumulative potential:

Soudal Incoat ML, Aerosol

Log Kow

Reason for revision: ATP4

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Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

Naphtha (petroleum), hydrodesulfurized heavy

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFWIN	2500		Oncorhynchus mykiss	Calculated value

Log Kow

Method	Remark	Value	Temperature	Value determination
		2.1 - 6		Calculated

Petrolatum (petroleum), oxidized

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Naphtha (petroleum), hydrotreated heavy

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFWIN	10 - 2500			Calculated value

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Conclusion

Contains bioaccumulative component(s)

12.4 Mobility in soil:

Naphtha (petroleum), hydrodesulfurized heavy

(log) Koc

Parameter	Method	Value	Value determination
Koc	SRC PCKOCWIN v1.66	60.7-229.2	Calculated value
log Koc	SRC PCKOCWIN v1.66	1.783-2.36	Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	93.02 %		0.81 %	0.34 %	5.83 %	Calculated value

Petrolatum (petroleum), oxidized

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	6.91 %	0.1 %	58.16 %	34.81 %	0.12 %	Calculated value

Naphtha (petroleum), hydrotreated heavy

(log) Koc

Parameter	Method	Value	Value determination
log Koc	Other	< 2.36	Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	93.02 %		0.81 %	0.34 %	5.83 %	Calculated value

Conclusion

No straightforward conclusion can be drawn based upon the available numerical values

12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects:

Soudal Incoat ML, Aerosol

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006)

Ozone-depleting potential (ODP)

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

Ground water

Ground water pollutant

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Soudal Incoat ML, Aerosol

Naphtha (petroleum), hydrodesulfurized heavy

Ground water

Ground water pollutant

Naphtha (petroleum), hydrotreated heavy

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

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 dangerous substances).

Depending on branch of industry and production process, also other waste codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

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. Should not be landfilled with household waste. Specific treatment. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

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	1950
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Hazard identification number	
Class	2
Classification code	5F

14.4 Packing group:

Packing group	
Labels	2.1

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes
--	-----

14.6 Special precautions for user:

Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1 UN number:

UN number	1950
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Hazard identification number	23
Class	2
Classification code	5F

14.4 Packing group:

Packing group	
Labels	2.1

14.5 Environmental hazards:

Reason for revision: ATP4

Publication date: 2000-11-27

Date of revision: 2014-05-09

Soudal Incoat ML, Aerosol

Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter 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	1950
14.2 UN proper shipping name:	
14.3 Transport hazard class(es):	
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter 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	1950
14.2 UN proper shipping name:	
14.3 Transport hazard class(es):	
Class	2.1
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Marine pollutant	P
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	63
Special provisions	190
Special provisions	277
Special provisions	327
Special provisions	344
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter 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 73/78 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	1950
14.2 UN proper shipping name:	
14.3 Transport hazard class(es):	
Class	2.1
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	

Reason for revision: ATP4

Publication date: 2000-11-27

Date of revision: 2014-05-09

Soudal Incoat ML, Aerosol

Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	A145
Special provisions	A167
Special provisions	A802
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	30 kg G

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	remarks
65 %	

VOC content Directive 2004/42/EC

474 g/l				
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REACH Annex XVII - Restriction

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

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
Naphtha (petroleum), hydrodesulfurized heavy Naphtha (petroleum), hydrotreated heavy	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 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.	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: — 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.'
Naphtha (petroleum), hydrodesulfurized heavy	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, — "whoopie" 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.

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Reference legislation

See column 1: 3.

See column 1: 40.

National legislation The Netherlands

Soudal Incoat ML, Aerosol

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 06
Waterbezwaarlijkheid	6

National legislation Germany

Soudal Incoat ML, Aerosol

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

TA-Luft	TA-Luft Klasse 5.2.5/I
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Naphtha (petroleum), hydrotreated heavy

TA-Luft	TA-Luft Klasse 5.2.5/I
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National legislation France

Soudal Incoat ML, Aerosol

No data available

National legislation Belgium

Soudal Incoat ML, Aerosol

No data available

15.2 Chemical safety assessment:

No chemical safety assessment is required.

SECTION 16: Other information

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

- R10 Flammable
- R38 Irritating to skin
- R51 Toxic to aquatic organisms
- R53 May cause long-term adverse effects in the aquatic environment
- R65 Harmful: may cause lung damage if swallowed
- R67 Vapours may cause drowsiness and dizziness

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

- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H226 Flammable liquid and vapour.
- H229 Pressurised container: May burst if heated.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

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 is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. 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.

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