

Underbody Protection Gungrade Dispenser

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

1.1 Product identifier:

Product name : Underbody Protection Gungrade Dispenser
 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

SOULDAL 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

SOULDAL 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
Flam. Liq.	category 2	H225: Highly flammable liquid and vapour.
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; R11 - Highly 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



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Contains: hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane.

Signal word Danger

H-statements

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

P-statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 Wear protective gloves and eye protection/face protection.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.

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

Labels



Highly 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)
 (29) (Do not empty into drains)
 (46) (If swallowed, seek medical advice immediately and show this container or label)
 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3 Other hazards:

CLP

May build up electrostatic charges: risk of ignition
 May be ignited by sparks
 Gas/vapour spreads at floor level: ignition hazard
 Caution! Substance is absorbed through the skin

DSD/DPD

May build up electrostatic charges: risk of ignition
 May be ignited by sparks
 Gas/vapour spreads at floor level: ignition hazard
 Caution! Substance is absorbed through the skin

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 DSD/DPD	Classification according to CLP	Note	Remark
hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane		C>25 %	F; R11 Xn; R65 Xi; R38 R67 N; R51-53	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	UVCB

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solvent naphtha (petroleum), light arom.	64742-95-6 265-199-0	1%<C<5%	Xn; R65 Xi; R38 R10 R67 N; R51-53	Flam. Liq. 3; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	UVCB
(benzene, conc<0.1%)						
methanol 01-2119433307-44	67-56-1 200-659-6	1%<C<3%	F; R11 T; R23/24/25 - 39/23/24/25	Flam. Liq. 2; H225 Acute Tox. 2; H330 Acute Tox. 3; H311 Acute Tox. 3; H301 STOT SE 1; H370	(1)(2)(8)(10)	Constituent

- (1) For R-phrases and H-statements in full: see heading 16
 (2) Substance with a Community workplace exposure limit
 (8) Specific concentration limits, see heading 16
 (10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

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

After inhalation:

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

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:

Coughing. Headache. Nausea. EXPOSURE TO HIGH CONCENTRATIONS: Dizziness. Narcosis.

After skin contact:

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

After eye contact:

Redness of the eye tissue. Visual disturbances.

After ingestion:

Nausea. Vomiting. Headache. Irritation of the gastric/intestinal mucosa.

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:

BC powder. Carbon dioxide. Sand/earth.

5.1.2 Unsuitable extinguishing media:

Water.

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:

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep upwind. Seal off low-lying areas. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. 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 a non combustible material e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Take collected spill to manufacturer/competent authority. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. 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. Keep away from ignition sources/sparks. Take precautions against electrostatic charges. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Store in a dry area. Ventilation at floor level. Fireproof storeroom. 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.

The Netherlands

Methanol	Time-weighted average exposure limit 8 h	100 ppm	Public occupational exposure limit value
	Time-weighted average exposure limit 8 h	133 mg/m ³	Public occupational exposure limit value

EU

Methanol	Time-weighted average exposure limit 8 h	200 ppm	Indicative occupational exposure limit value
	Time-weighted average exposure limit 8 h	260 mg/m ³	Indicative occupational exposure limit value

Belgium

Alcool méthylique	Time-weighted average exposure limit 8 h	200 ppm	
	Time-weighted average exposure limit 8 h	266 mg/m ³	
	Short time value	250 ppm	

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Alcool méthylique	Short time value	333 mg/m ³	
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USA (TLV-ACGIH)

Methanol	Time-weighted average exposure limit 8 h	200 ppm	TLV - Adopted Value
	Short time value	250 ppm	TLV - Adopted Value

Germany

Methanol	Time-weighted average exposure limit 8 h	200 ppm	TRGS 900
	Time-weighted average exposure limit 8 h	270 mg/m ³	TRGS 900

France

Methanol	Time-weighted average exposure limit 8 h	200 ppm	VRC: Valeur réglementaire contraignante
	Time-weighted average exposure limit 8 h	260 mg/m ³	VRC: Valeur réglementaire contraignante
	Short time value	1000 ppm	VL: Valeur non réglementaire indicative
	Short time value	1300 mg/m ³	VL: Valeur non réglementaire indicative

UK

Methanol	Time-weighted average exposure limit 8 h	200 ppm	Workplace exposure limit (EH40/2005)
	Time-weighted average exposure limit 8 h	266 mg/m ³	Workplace exposure limit (EH40/2005)
	Short time value	250 ppm	Workplace exposure limit (EH40/2005)
	Short time value	333 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

DNEL - Workers

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	2035 mg/m ³	
	Long-term systemic effects dermal	773 mg/kg bw/day	

methanol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects dermal	40 mg/kg bw/day	
	Acute systemic effects inhalation	260 mg/m ³	
	Acute local effects inhalation	260 mg/m ³	
	Long-term systemic effects dermal	40 mg/kg bw/day	
	Long-term systemic effects inhalation	260 mg/m ³	
	Long-term local effects inhalation	260 mg/m ³	

DNEL - General population

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	608 mg/m ³	
	Long-term systemic effects inhalation	699 mg/kg bw/day	
	Long-term systemic effects oral	699 mg/kg bw/day	

methanol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects dermal	8 mg/kg bw/day	
	Acute systemic effects inhalation	50 mg/m ³	
	Acute local effects inhalation	50 mg/m ³	
	Long-term systemic effects dermal	8 mg/kg bw/day	
	Long-term systemic effects inhalation	50 mg/m ³	
	Long-term local effects inhalation	50 mg/m ³	

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Compartments	Value	Remark
Fresh water	20.8 mg/l	
Marine water	2.08 mg/l	
Aqua (intermittent releases)	1540 mg/l	
Fresh water sediment	77 mg/kg sediment dw	
Marine water sediment	7.7 mg/kg sediment dw	
Soil	3.18 mg/kg soil dw	
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. Keep away from ignition sources/sparks. Take precautions against electrostatic charges. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Adembescherming met filtertype A bij conc. in de lucht > blootstellingsgrenswaarde.

b) Hand protection:

Gloves.

c) Eye protection:

Protective goggles.

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
Odour	Characteristic odour
Odour threshold	No data available
Colour	Black
Particle size	No data available
Explosion limits	0.9 - 6.8 vol %
Flammability	Highly 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	98 °C ; 1013 hPa
Flash point	2 °C
Evaporation rate	No data available
Relative vapour density	> 1
Vapour pressure	27 hPa ; 20 °C 111 hPa ; 50 °C
Solubility	water ; insoluble
Relative density	1.09 ; 20 °C
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 liquid

9.2 Other information:

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Extrapolated kinematic viscosity	45 seconds ; 6 mm
Absolute density	1090 kg/m ³

SECTION 10: Stability and reactivity

10.1 Reactivity:

May build up electrostatic charges: risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. No data available.

10.2 Chemical stability:

No data available.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Keep away from naked flames/heat. Keep away from ignition sources/sparks. Take precautions against electrostatic charges.

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

Acute toxicity

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No (test) data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	Equivalent to OECD 401	>5840 mg/kg bw		Rat	Male/female	Read-across
Dermal	LD50	Equivalent to OECD 402	>2800 mg/kg bw	24 h	Rat	Male/female	Read-across
Inhalation (vapours)	LC50	Equivalent to OECD 403	>25.2 mg/l air	4 h	Rat	Male/female	Experimental value

solvent naphtha (petroleum), light arom.

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
Inhalation (vapours)	LOAEL		4320 mg/m ³ air	1 h	Human	Male	Experimental value

methanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	BASF test	1187 - 2769 mg/kg bw		Rat	Male/female	Weight of evidence
Oral	LD0	Equivalent to OECD 401	> 2528 mg/kg bw		Rat		Experimental value
Oral			category 3				Annex VI
Dermal			category 3				Annex VI
Inhalation (vapours)	LC50	BASF test	128.2 mg/l air	4 h	Rat	Male/female	Weight of evidence
Inhalation			category 2				Annex VI

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

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No (test) data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

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

solvent naphtha (petroleum), light arom.

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

methanol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Not irritating	BASF test		1; 24 hours	Rabbit	Experimental value
Eye	Not irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value
Skin	Not irritating	BASF test	20 h	48; 72 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

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No (test) data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

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/female	Read-across

solvent naphtha (petroleum), light arom.

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

methanol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Skin	Not sensitizing	Equivalent to OECD 406		24; 48; 72 hours	Guinea pig	Female	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified as sensitizing for skin

Specific target organ toxicity

Underbody Protection Gungrade Dispenser

No (test) data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Dermal	NOAEL	Equivalent to OECD 453	0.5 ml			52-104 weeks (3 times/week)	Mouse	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Subacute toxicity test	14000 mg/m ³ air	Central nervous system	No effect	3 days (8h/day)	Rat	Male	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	24300 mg/m ³ air		No effect	13 weeks (6h/day, 5 days/week)	Rat	Male/female	

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solvent naphtha (petroleum), light arom.

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral	NOEL		<500 mg/kg bw/day	Kidney	No effect	4 weeks (5 days/week)	Rat	Male	Experimental value
Dermal	NOEL	Equivalent to OECD 410	>2000 mg/kg bw/day	General	No adverse systemic effects	4 weeks (6h/day, 3 days/week)	Rabbit	Male/female	Experimental value
Dermal	NOEL	Equivalent to OECD 410	<200 mg/kg bw/day	Skin	No irritation	4 weeks (6h/day, 3 days/week)	Rabbit	Male/female	Experimental value
Dermal	NOAEL	Equivalent to OECD 410	3750 mg/kg bw/day	General	No adverse systemic effects	4 weeks (daily)	Rat	Male/female	Experimental value
Dermal	NOAEL	Equivalent to OECD 410	<375 mg/kg bw/day	Skin	No irritation	4 weeks (daily, 5 days/week)	Rat	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 412	9840 mg/m ³ air	General	No effect	4 weeks (6h/day, 5 days/week)	Rat	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 453	1402 mg/m ³ air	General	No effect	107 - 109 weeks (6h/day, 5 days/week)	Rat	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	>20000 mg/m ³ air	General	Runny nose	13 weeks (6h/day, 5 days/week)	Rat	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	10000 mg/m ³ air	Nose	No effect	13 weeks (6h/day, 5 days/week)	Rat	Male/female	Experimental value
Inhalation (vapours)		Human observation		Central nervous system	Drowsiness, dizziness		Human		Literature study

methanol

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral	LOAEL	Other	2340 mg/kg bw/day		Mortality	3 day(s)	Monkey	Male	Experimental value
Oral (stomach tube)		Incident			Visual disturbances to permanent blindness		Human	Male	
Inhalation	NOAEC	Other	0.013 mg/l air			29 month(s)	Monkey		Weight of evidence
Inhalation	LOAEC		0.13 mg/l air	Brain	Brain affection	29 week(s)	Monkey		Weight of evidence
Inhalation		Other	1.6 mg/l air		Visual disturbances to permanent blindness		Human		
Inhalation (vapours)	NOAEC	Equivalent to OECD 412	6.66 mg/l air		No effect	4 weeks (6h/day, 5 days/week)	Rat	Male/female	Weight of evidence
Inhalation	NOAEC	Equivalent to OECD 453	1.3 mg/l air		No effect	12 month(s)	Mouse	Male/female	Weight of evidence
Inhalation (vapours)	NOEC	Equivalent to OECD 453	0.13 mg/l air		No effect	12 month(s)	Rat	Male/female	Weight of evidence
Inhalation	NOEC	Human observation	0.26 mg/l air	Central nervous system	No effect	4 h	Human		Weight of evidence

Classification is based on the relevant ingredients

Conclusion

May cause drowsiness or dizziness.

Mutagenicity (in vitro)

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No (test) data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Result	Method	Test substrate	Effect	Value determination
Negative	Equivalent to OECD 473	Rat liver cells	No effect	Read-across
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Read-across
Negative	OECD 476	Human lymphocytes	No effect	Read-across

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solvent naphtha (petroleum), light arom.

Result	Method	Test substrate	Effect	Value determination
Negative	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value

methanol

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Weight of evidence
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Chinese hamster lung fibroblasts	No effect	Weight of evidence
Negative with metabolic activation, negative without metabolic activation	OECD 471	Escherichia coli	No effect	Weight of evidence
Negative without metabolic activation	OECD 473	Chinese hamster lung fibroblasts	No effect	Weight of evidence

Mutagenicity (in vivo)

Underbody Protection Gungrade Dispenser

No (test) data on the mixture available

solvent naphtha (petroleum), light arom.

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

methanol

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative	OECD 474	5 days (6h/day)	Mouse	Male		Weight of evidence
Negative	OECD 474	5 day(s)	Mouse	Female		Weight of evidence

Carcinogenicity

Underbody Protection Gungrade Dispenser

No (test) data on the mixture available

solvent naphtha (petroleum), light arom.

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	General	No effect

methanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Inhalation	NOAEC	Equivalent to OECD 453	>= 1.3 mg/l air	24 months (daily, 20h/day)	Rat	Male/female	Weight of evidence		
Inhalation	NOAEC	Equivalent to OECD 453	>= 1.3 mg/l air	18 month(s)	Mouse	Male/female	Weight of evidence		
Oral	NOAEL	Other	466 - 529 mg/kg bw/day	104 week(s)	Rat	Male/female	Experimental value		Overall effects
Oral	LOAEL	Other	1872 - 2101 mg/kg bw/day	104 week(s)	Rat	Male/female	Experimental value		Overall effects

Reproductive toxicity

Underbody Protection Gungrade Dispenser

No (test) data on the mixture available

Reason for revision: ATP4

Publication date: 2000-10-23

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hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	10560 mg/m ³ air	10 days (6h/day)	Mouse		No effect		Read-across
	LOAEL	Equivalent to OECD 414	31680 mg/m ³ air	10 days (6h/day)	Mouse		Minor skeletal variations	Foetus	Read-across
Maternal toxicity	NOAEL	Equivalent to OECD 414	3168 mg/m ³ air	10 days (6h/day)	Mouse	Female	No effect		Read-across
	LOAEL	Equivalent to OECD 414	10560 mg/m ³ air	10 days (6h/day)	Mouse	Female	Discolouration of the tongue	Lungs	Read-across
Effects on fertility	NOAEL	Equivalent to OECD 416	31680 mg/m ³ air	13 weeks (6h/day, 5 days/week)	Rat	Male/female	No effect		Read-across

solvent naphtha (petroleum), light arom.

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEL (P/F1)	Equivalent to OECD 414	23900 mg/m ³ air	20 days (gestation, daily)	Rat	Female	No effect	Foetus	Experimental value
Effects on fertility	NOAEC (P/F1)	Equivalent to OECD 416	>=20000 mg/m ³ air	13 weeks (6h/day, 7 days/week)	Rat	Male/female	No effect	General	Experimental value
	NOAEL (F1)	Equivalent to OECD 421	24700 mg/m ³ air	8-11 weeks (6h/day, 7 days/week)	Rat	Male/female	No effect	General	Experimental value

Reason for revision: ATP4

Publication date: 2000-10-23

Date of revision: 2014-05-14

Revision number: 0100

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methanol

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEC	Equivalent to OECD 414	1.33 mg/kg bw/day	11 days (gestation, daily)	Rat	Female	No effect		Weight of evidence
	LOAEC	Equivalent to OECD 414	6.65 mg/kg bw/day	11 days (gestation, daily)	Rat	Female	Litter size and weights; grossly visible abnormalities; external soft tissue; skeletal abnormalities		Weight of evidence
	LOAEL	Other	5000 mg/kg bw/day	6 - 10 days (gestation, daily)	Mouse				Experimental value
	LOAEL	Other	1700 mg/kg bw/day	6 - 10 days (gestation, daily)	Mouse				Experimental value
	NOAEC	Equivalent to OECD 414	1.33 mg/l air	6 - 15 days (gestation, daily)	Mouse				Experimental value
	NOAEC	Equivalent to OECD 414	1.33 mg/kg bw/day	11 days (gestation, daily)	Rat	Female	No effect		Weight of evidence
	LOAEC	Equivalent to OECD 414	6.65 mg/kg bw/day	11 days (gestation, daily)	Rat	Female	Litter weights		Weight of evidence
Maternal toxicity	NOAEL	Equivalent to OECD 414	1.33 mg/kg bw/day	11 days (gestation, daily)	Rat	Female	No effect		Weight of evidence
	LOAEL	Equivalent to OECD 414	6.65 mg/kg bw/day	11 days (gestation, daily)	Rat	Female	Reduced body weight and food consumption		Weight of evidence
	NOAEL	Equivalent to OECD 414	5000 mg/kg bw/day		Mouse	Female	No effect		Weight of evidence
Effects on fertility	NOAEC (P)	Equivalent to OECD 416	1.3 mg/l air	103 -108 day(s)	Rat	Male/female	No effect		Weight of evidence
	NOAEC (P/F1)	Other	2.39 mg/l air	355 day(s)	Monkey	Female	No effect		Weight of evidence
	NOAEL (P)	Other	< 1000 mg/kg bw/day	5 day(s)	Mouse	Male			Experimental value
	NOAEC (F1)	Equivalent to OECD 416	0.13 mg/l air	145-153 day(s)	Rat	Male/female	No effect		Weight of evidence
	NOAEC (F2)	Equivalent to OECD 416	0.13 mg/l air	54-56 day(s)	Rat	Male/female	No effect		Weight of evidence
		Equivalent to OECD 416	1.3 mg/l air	145-153 day(s)	Rat	Male/female	Reproductive performance		Weight of evidence
		Equivalent to OECD 416	1.3 mg/l air	54-56 day(s)	Rat	Male/female	Reproductive performance		Weight of evidence

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

Underbody Protection Gungrade Dispenser

No (test) data on the mixture available

Reason for revision: ATP4

Publication date: 2000-10-23

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methanol

Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
NOEC	Human observation	0.26 mg/l	Central nervous system	No effect	4 h	Human		Weight of evidence
LDLO		4000 mg/kg bw		Mortality		Monkey	Male/female	Experimental value

Chronic effects from short and long-term exposure

Underbody Protection Gungrade Dispenser

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Tingling/irritation of the skin. Skin rash/inflammation.

SECTION 12: Ecological information

12.1 Toxicity:

Underbody Protection Gungrade Dispenser

No (test) data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	11.4 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity invertebrates	EL50	OECD 202	3 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EbC50	OECD 201	10 - 30 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	ErC50	OECD 201	30 - 100 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish	NOELR		2.045 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	QSAR
Long-term toxicity aquatic invertebrates	NOELR	OECD 211	1 - 2 mg/l	21 day(s)	Daphnia magna	Static system	Fresh water	Read-across
	NOEC	OECD 211	0.17 mg/l	21 day(s)	Daphnia magna	Static system	Fresh water	Read-across
	LOEC	OECD 211	0.32 mg/l	21 day(s)	Daphnia magna	Static system	Fresh water	Read-across
Toxicity aquatic micro-organisms	EC50		1 - 10 mg/l		Bacteria			
	EL50		35.57 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR
	NOELR		7.959 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR

solvent naphtha (petroleum), light arom.

	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	Experimental value; GLP
Acute toxicity invertebrates	EC50	OECD 202	4.5 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	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish	NOEL	OECD 204	2.6 mg/l	14 day(s)	Pimephales promelas	Semi-static system	Fresh water	Experimental value; GLP
Long-term toxicity aquatic invertebrates	NOEL	OECD 211	2.6 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC50		15 - 41 mg/l	40 h	Tetrahymena pyriformis		Fresh water	QSAR; Nominal concentration

Reason for revision: ATP4

Publication date: 2000-10-23

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methanol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	EPA 600/3-75/009	15400 mg/l	96 h	Lepomis macrochirus	Flow-through system	Fresh water	Experimental value; Lethal
Acute toxicity invertebrates	EC50	DIN 38412-11	>10000 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Lethal
	EC50	OECD 202	18260 mg/l	96 h	Daphnia magna	Semi-static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	EC50	OECD 201	22000 mg/l	96 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	Other	7900 mg/l	200 h	Oryzias latipes	Static system	Fresh water	Experimental value
	EC50	Other	14536 mg/l	200 h	Oryzias latipes	Static system	Fresh water	Experimental value
Long-term toxicity aquatic invertebrates	NOEC		208 mg/l	2 day(s)	Daphnia magna			QSAR; Reproduction
Toxicity aquatic micro-organisms	IC50	OECD 209	>1000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value
Toxicity sediment organisms	EC50	Other	71700 mg/l	3 minutes	Tubifex tubifex	Static system	Fresh water	Experimental value; Locomotor effect

	Parameter	Method	Value	Duration	Species	Value determination
Toxicity soil macro-organisms	LC50	OECD 207	>1 mg/cm ² test mat.	48 h	Eisenia fetida	Experimental value
Toxicity terrestrial plants	EC50		60 mol/l	7 day(s)	Triticum aestivum	Weight of evidence

Classification is based on the relevant ingredients

Conclusion

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	98 %	28 day(s)	Experimental value

solvent naphtha (petroleum), light arom.

Biodegradation water

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

methanol

Biodegradation water

Method	Value	Duration	Value determination
Other	82.7 %	5 day(s)	Experimental value
Other	71.5 %	5 day(s)	Experimental value
Other	95-97 %	20 day(s)	Experimental value
Other	95 %	5 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
Other	17.2 day(s)		Experimental value

Biodegradation soil

Method	Value	Duration	Value determination
Other	46.3 - 53..4 %	5 day(s)	Experimental value

Conclusion

Contains readily biodegradable component(s)

12.3 Bioaccumulative potential:

Underbody Protection Gungrade Dispenser

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Log Kow

Method	Remark	Value	Temperature	Value determination
		3.4 - 4.6		

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solvent naphtha (petroleum), light arom.

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			

methanol

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	Other	<10	72 h	Leuciscus idus	Experimental value
		1	72 h	Cyprinus carpio	Experimental value
		3	72 h	Cyprinus carpio	Experimental value
		4.5	72 h	Cyprinus carpio	Experimental value

Log Kow

Method	Remark	Value	Temperature	Value determination
Other		-0.77		Experimental value

Conclusion

Contains bioaccumulative component(s)

12.4 Mobility in soil:

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	98 %	0 %	0 %	0 %	1.3 %	Calculated value

solvent naphtha (petroleum), light arom.

(log) Koc

Parameter	Method	Value	Value determination
Koc	PCKOCWIN v1.66	>60.7 - <229.2	Calculated value
log Koc	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

methanol

(log) Koc

Parameter	Method	Value	Value determination
Koc	SRC PCKOCWIN v1.66	1	Calculated value
	Other	0.13-0.61	Experimental value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
0.461 Pa.m ³ /mol		25 °C		Literature

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level I	12.5 %	0 %	0 %	0 %	87.5 %	QSAR
Mackay level III	73.3 %		0.02 %	11.1 %	15.6 %	QSAR

Conclusion

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

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:

Underbody Protection Gungrade Dispenser

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)

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solvent naphtha (petroleum), light arom.

Ground water
Ground water pollutant

methanol

Global warming potential (GWP)

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

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

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

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	1139
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14.2 UN proper shipping name:

Proper shipping name	coating solution, Special provision 640H
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14.3 Transport hazard class(es):

Hazard identification number	33
Class	3
Classification code	F1

14.4 Packing group:

Packing group	III
Labels	3

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes
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14.6 Special precautions for user:

Special provisions	640H
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)
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADR

Rail (RID)

14.1 UN number:

UN number	1139
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14.2 UN proper shipping name:

Proper shipping name	coating solution, Special provision 640H
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14.3 Transport hazard class(es):

Hazard identification number	33
Class	3
Classification code	F1

14.4 Packing group:

Packing group	III
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Reason for revision: ATP4

Publication date: 2000-10-23

Date of revision: 2014-05-14

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Labels	3
14.5 Environmental hazards:	
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	640H
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)
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of RID

Inland waterways (ADN)

14.1 UN number:	
UN number	1139
14.2 UN proper shipping name:	
Proper shipping name	coating solution, Special provision 640H
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	640H
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)
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADN

Sea (IMDG/IMSBC)

14.1 UN number:	
UN number	1139
14.2 UN proper shipping name:	
Proper shipping name	coating solution
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	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)
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.3.2.3 of IMDG
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	1139
14.2 UN proper shipping name:	
Proper shipping name	Coating solution
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

Reason for revision: ATP4

Publication date: 2000-10-23

Date of revision: 2014-05-14

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14.6 Special precautions for user:

Special provisions	A3
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	10 L
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 3.3.3.1 of ICAO

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
35 %	

VOC content Directive 2004/42/EC

378.2 g/l				
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European drinking water standards (Directive 98/83/EC)

(benzene, conc<0.1%)

Parameter	Parametric value	Note	Reference
Benzene	1 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

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
hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane solvent naphtha (petroleum), light arom. methanol	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.'
hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane solvent naphtha (petroleum), light arom. methanol	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

Reason for revision: ATP4

Publication date: 2000-10-23

Date of revision: 2014-05-14

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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.

Reference legislation
 See column 1: 3.
 See column 1: 40.

National legislation The Netherlands

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Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03
Waterbezwaarlijkheid	6

solvent naphtha (petroleum), light arom.

SZW - List of carcinogenic substances	Listed in SZW-list of carcinogenic substances
SZW - List of mutagenic substances	Listed in SZW-list of mutagenic substances

methanol

SZW - List of reprotoxic substances (development)	Hazardous to the foetus
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National legislation Germany

Underbody Protection Gungrade Dispenser

WGK	3; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)
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hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

TA-Luft	TA-Luft Klasse 5.2.5/I
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solvent naphtha (petroleum), light arom.

TA-Luft	TA-Luft Klasse 5.2.5/I
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methanol

TA-Luft	TA-Luft Klasse 5.2.5/I
Schwangerschaft Gruppe	C
MAK 8-Stunden-Mittelwert ppm	Methanol; 200 ppm
MAK 8-Stunden-Mittelwert mg/m ³	Methanol; 270 mg/m ³

National legislation France

Underbody Protection Gungrade Dispenser
 No data available

National legislation Belgium

Underbody Protection Gungrade Dispenser
 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
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
- R38 Irritating to skin
- R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
- 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:

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H315 Causes skin irritation.
- H330 Fatal if inhaled.

Reason for revision: ATP4

Publication date: 2000-10-23

Date of revision: 2014-05-14

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H336 May cause drowsiness or dizziness.
 H370 Causes damage to the optic nerve and the central nervous system.
 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)

Specific concentration limits CLP

methanol	C ≥ 10 %	STOT SE 1; H370	CLP Annex VI (ATP 0)
	3 % ≤ C < 10 %	STOT SE 2; H371	CLP Annex VI (ATP 0)

Specific concentration limits DSD

methanol	C ≥ 20 %	T; R23/24/25	DSD Annex VI (ATP 0)
	3 % ≤ C < 20 %	Xn; R20/21/22	DSD Annex VI (ATP 0)
	C ≥ 10 %	T; R39/23/24/25	DSD Annex VI (ATP 0)
	3 % ≤ C < 10 %	Xn; R68/20/21/22	DSD Annex VI (ATP 0)

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