

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

NOVAFLUSH DPF ONE

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

1.1. Product identifier

Product name : NOVAFLUSH DPF ONE
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Professional use
Cleansing product

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

Novatio*
Industrielaan 5B
B-2250 Olen
☎ +32 14 25 76 40
☎ +32 14 22 02 66
info@novatio.be
*NOVATIO is a registered trademark of Novatech International N.V.

Manufacturer of the product

Novatech International N.V.
Industrielaan 5B
B-2250 Olen
☎ +32 14 85 97 37
☎ +32 14 85 97 38
info@novatech.be

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Class	Category	Hazard statements
Eye Irrit.	category 2	H319: Causes serious eye irritation.
STOT SE	category 3	H336: May cause drowsiness or dizziness.

2.2. Label elements



Contains: propan-2-ol.

Signal word Warning

H-statements

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

P-statements

P280 Wear eye protection.
P261 Avoid breathing vapours.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)

Technische Schoolstraat 43 A, B-2440 Geel

<http://www.big.be>

© BIG vzw

Reason for revision: 2; 3

Revision number: 0200

Publication date: 2017-03-14

Date of revision: 2024-05-27

BIG number: 58254

1 / 18

NOVAFLUSH DPF ONE

2.3. Other hazards

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 CLP	Note	Remark	M-factors and ATE
propan-2-ol 01-2119457558-25	67-63-0 200-661-7	20% ≤C<25%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent	
ethanol 01-2119457610-43	64-17-5 200-578-6	2.5%≤C<5%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 Eye Irrit. 2; H319: C≥50%, (ECHA)	(1)(2)(6)(10)	Constituent	
amines, C12-14 (even numbered) alkyldimethyl, N-oxides 01-2119490061-47	308062-28-4	1%≤C<2.5%	Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	(1)	Constituent	M: 1 (Acute, ECHA (registration dossier))
sodium hydroxide 01-2119457892-27	1310-73-2 215-185-5	0.1% ≤C<0.25%	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318 Skin Corr. 1A; H314: C≥5%, (CLP Annex VI (ATP 0)) Skin Corr. 1B; H314: 2%≤C<5% , (CLP Annex VI (ATP 0)) Skin Irrit. 2; H315: 0,5% ≤C<2%, (CLP Annex VI (ATP 0)) Eye Irrit. 2; H319: 0,5%≤C<2% , (CLP Annex VI (ATP 0))	(1)(2)(6)(10)	Constituent	

(1) For H- and EUH-statements in full: see section 16

(2) Substance with a Community workplace exposure limit

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

(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:

Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:

Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

4.2.1 Acute symptoms

After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Dizziness. Drowsiness.

After skin contact:

No effects known.

After eye contact:

Irritation of the eye tissue.

After ingestion:

No effects known.

4.2.2 Delayed symptoms

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

2 / 18

NOVAFLUSH DPF ONE

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

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

Major fire: Class B foam (alcohol-resistant), Water spray if puddle cannot expand.

5.1.2 Unsuitable extinguishing media:

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

Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours.

5.3. Advice for firefighters

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Safety glasses (EN 166). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames. Corrosion-proof appliances. Exposure to fire/heat: keep upwind. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighbourhood close doors and windows.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Safety glasses (EN 166). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

Contain released product.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

See section 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. Observe normal hygiene standards. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Meet the legal requirements. Protect against frost. Keep out of direct sunlight. Keep container tightly closed.

7.2.2 Keep away from:

Heat sources.

7.2.3 Suitable packaging material:

No data available

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.

NOVAFLUSH DPF ONE

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

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

Belgium

Alcool éthylique	Time-weighted average exposure limit 8 h	1000 ppm
	Time-weighted average exposure limit 8 h	1907 mg/m ³
Alcool isopropylique	Time-weighted average exposure limit 8 h	200 ppm
	Time-weighted average exposure limit 8 h	500 mg/m ³
	Short time value	400 ppm
	Short time value	1000 mg/m ³
Sodium (hydroxyde de)	Time-weighted average exposure limit 8 h	2 mg/m ³ (1)

(1) M: La mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage.

The Netherlands

Ethanol	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	137 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	260 mg/m ³
	Short time value (Public occupational exposure limit value)	1000 ppm
	Short time value (Public occupational exposure limit value)	1900 mg/m ³

France

Alcool éthylique	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	1000 ppm
	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	1900 mg/m ³
	Short time value (VL: Valeur non réglementaire indicative)	5000 ppm
	Short time value (VL: Valeur non réglementaire indicative)	9500 mg/m ³
Alcool isopropylique	Short time value (VL: Valeur non réglementaire indicative)	400 ppm
	Short time value (VL: Valeur non réglementaire indicative)	980 mg/m ³
Sodium (hydroxyde de)	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	2 mg/m ³

Germany

Ethanol	Time-weighted average exposure limit 8 h (TRGS 900)	200 ppm (1)
	Time-weighted average exposure limit 8 h (TRGS 900)	380 mg/m ³ (1)
Natriumhydroxid	<i>vgl. Abschn. IIb</i>	
Propan-2-ol	Time-weighted average exposure limit 8 h (TRGS 900)	200 ppm (2)
	Time-weighted average exposure limit 8 h (TRGS 900)	500 mg/m ³ (2)

(1) UF: 4 (II)

(2) UF: 2 (II)

Austria

2-Propanol Kurzzeitwert für Großguss	*) Kurzzeitwert für Großguss gilt bis 31.12.2013	
	Tagesmittelwert (MAK)	200 ppm
	Tagesmittelwert (MAK)	500 mg/m ³
	Kurzzeitwert 30(Miw) 4x (MAK)	800 ppm
	Kurzzeitwert 30(Miw) 4x (MAK)	2000 mg/m ³
2-Propanol	Tagesmittelwert (MAK)	200 ppm
	Tagesmittelwert (MAK)	500 mg/m ³
	Kurzzeitwert 15(Miw) 4x (MAK)	800 ppm
	Kurzzeitwert 15(Miw) 4x (MAK)	2000 mg/m ³
Ethanol	Tagesmittelwert (MAK)	1000 ppm
	Tagesmittelwert (MAK)	1900 mg/m ³
	Kurzzeitwert 60(Mow) 3x (MAK)	2000 ppm
	Kurzzeitwert 60(Mow) 3x (MAK)	3800 mg/m ³
Natriumhydroxid	Tagesmittelwert (MAK)	2 mg/m ³ (1)
	Kurzzeitwert 5(Mow) 8x (MAK)	4 mg/m ³ (1)

(1) Einatembare Fraktion

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

4 / 18

NOVAFLUSH DPF ONE

UK

Ethanol	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1000 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1920 mg/m ³
Propan-2-ol	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	400 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	999 mg/m ³
	Short time value (Workplace exposure limit (EH40/2005))	500 ppm
	Short time value (Workplace exposure limit (EH40/2005))	1250 mg/m ³
Sodium hydroxide	Short time value (Workplace exposure limit (EH40/2005))	2 mg/m ³

USA (TLV-ACGIH)

2-propanol	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	200 ppm
	Short time value (TLV - Adopted Value)	400 ppm
Ethanol	Short time value (TLV - Adopted Value)	1000 ppm
Sodium hydroxide	Momentary value (TLV - Adopted Value)	2 mg/m ³

b) National biological limit values

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

Germany

Propan-2-ol (Acetone)	Urin: expositionsende, bzw. schichtende	25 mg/l	
Propan-2-ol (Acetone)	Vollblut: expositionsende, bzw. schichtende	25 mg/l	

USA (BEI-ACGIH)

2-Propanol (Acetone)	Urine: end of shift at end of workweek	40 mg/L	Background, Nonspecific
----------------------	--	---------	-------------------------

8.1.2 Sampling methods

Product name	Test	Number
Ethanol (Ethylalcohol)	NIOSH	3900
Ethanol (Ethylalcohol)	OSHA	5001
Ethanol (Volatile Organic compounds)	NIOSH	2549
ethanol	NIOSH	8002
Ethyl Alcohol (Ethanol)(Alcohols I)	NIOSH	1400
Isopropanol (Volatile Organic compounds)	NIOSH	2549
Isopropyl Alcohol (Alcohols I)	NIOSH	1400
Isopropyl Alcohol	NIOSH	3900
Isopropyl Alcohol	OSHA	5001
Sodium Hydroxide (Alkaline Dust)	NIOSH	7401
Sodium Hydroxide	NIOSH	7405

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 Threshold values

DNEL/DMEL - Workers

propan-2-ol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	500 mg/m ³	
	Long-term systemic effects dermal	888 mg/kg bw/day	

ethanol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	380 mg/m ³	
	Long-term systemic effects dermal	8238 mg/kg bw/day	

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	6.2 mg/m ³	
	Long-term systemic effects dermal	11 mg/kg bw/day	

sodium hydroxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	1 mg/m ³	

DNEL/DMEL - General population

propan-2-ol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	89 mg/m ³	
	Long-term systemic effects dermal	319 mg/kg bw/day	
	Long-term systemic effects oral	26 mg/kg bw/day	

ethanol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	114 mg/m ³	

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

5 / 18

NOVAFLUSH DPF ONE

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1.53 mg/m ³	
	Long-term systemic effects dermal	5.5 mg/kg bw/day	
	Long-term systemic effects oral	0.44 mg/kg bw/day	

sodium hydroxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	1 mg/m ³	

PNEC

ethanol

Compartments	Value	Remark
Fresh water	0.96 mg/l	
Marine water	0.79 mg/l	
Fresh water (intermittent releases)	2.75 mg/l	
STP	580 mg/l	
Fresh water sediment	3.6 mg/kg sediment dw	
Marine water sediment	2.9 mg/kg sediment dw	
Soil	0.63 mg/kg soil dw	
Oral	0.38 g/kg food	

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Compartments	Value	Remark
Fresh water	0.034 mg/l	
Marine water	0.003 mg/l	
Fresh water (intermittent releases)	0.034 mg/l	
STP	24 mg/l	
Fresh water sediment	5.24 mg/kg sediment dw	
Marine water sediment	0.524 mg/kg sediment dw	
Soil	1.02 mg/kg soil dw	
Oral	11.1 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

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

8.2.2 Individual protection measures, such as personal protective equipment

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

a) Respiratory protection:

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

b) Hand protection:

Protective gloves against chemicals (EN 374).

Materials	Measured breakthrough time	Thickness	Protection index	Remark
PVC	> 240 minutes	0.5 mm	Class 5	
neoprene (chloroprene rubber)	> 480 minutes	0.7 mm	Class 6	
natural rubber	> 480 minutes	0.7 mm	Class 6	
nitrile rubber	> 480 minutes	0.35 mm	Class 6	

c) Eye protection:

Safety glasses (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Liquid
Colour	Red
Odour	Characteristic odour
Odour threshold	No data available in the literature
Melting point	No data available in the literature
Boiling point	No data available in the literature
Flammability	Not classified as flammable
Explosion limits	No data available in the literature

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

6 / 18

NOVAFLUSH DPF ONE

Flash point	> 93 °C
Auto-ignition temperature	No data available in the literature
Decomposition temperature	No data available in the literature
pH	11
Kinematic viscosity	No data available in the literature
Dynamic viscosity	No data available in the literature
Solubility	Water ; complete
Log Kow	Not applicable (mixture)
Vapour pressure	No data available in the literature
Absolute density	960 kg/m ³ ; 20 °C
Relative density	0.96 ; 20 °C
Relative vapour density	No data available in the literature
Particle size	Not applicable (liquid)

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard. Basic reaction.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO₂ and small quantities of nitrous vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Test results

Acute toxicity

NOVAFLUSH DPF ONE

No (test) data on the mixture available

Judgement is based on the relevant ingredients

propan-2-ol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	5840 mg/kg bw		Rat	Experimental value	
Dermal	LD50	Equivalent to OECD 402	16400 ml/kg bw	24 h	Rabbit	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 10000 ppm	6 h	Rat (male / female)	Experimental value	

ethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	10470 mg/kg bw		Rat (male / female)	Experimental value	
Skin	LD50		> 15800 mg/kg bw		Rabbit	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	124.7 mg/l air	4 h	Rat (male / female)	Experimental value	

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

7 / 18

NOVAFLUSH DPF ONE

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	1064 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	EU Method B.3	> 2000 mg/kg bw	24 h	Rat (male / female)	Read-across	
Inhalation						Data waiving	

sodium hydroxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral						Data waiving	
Dermal						Data waiving	
Inhalation						Data waiving	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

NOVAFLUSH DPF ONE

No (test)data on the mixture available

Classification is based on the relevant ingredients

propan-2-ol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	Equivalent to OECD 405		1; 2; 3; 4; 7; 10; 14 days	Rabbit	Experimental value	Single treatment without rinsing
Skin	Not irritating		4 h	4; 24; 48; 72 hours	Rabbit	Experimental value	

ethanol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment
Skin	Not irritating	OECD 404	24 h	1; 2; 3; 4; 5; 7 days	Rabbit	Experimental value	Single treatment

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage	OECD 405		1; 24; 48; 72 hrs; 7; 14; 21 days	Rabbit	Experimental value	Single treatment
Skin	Irritating	OECD 404	24 h	24; 72 hours	Rabbit	Experimental value	

sodium hydroxide

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405		4; 24; 48; 72; 96 hours	Rabbit	Experimental value	2% aqueous solution
Eye	Serious eye damage; category 1					Annex VI	
Skin	Irritating	Equivalent to OECD 404		1; 24; 48; 72; 168 hours	Rabbit	Experimental value	5% aqueous solution
Not applicable (in vitro test)	Corrosive	Equivalent to OECD 435			Reconstructed human epidermis	Experimental value	
Skin	Highly corrosive; category 1A					Annex VI	

Conclusion

Causes serious eye irritation.

Not classified as irritating to the skin

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

NOVAFLUSH DPF ONE

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

8 / 18

NOVAFLUSH DPF ONE

propan-2-ol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal	Not sensitizing	OECD 406			Guinea pig (male / female)	Experimental value	

ethanol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Not sensitizing	Equivalent to OECD 429			Mouse (male / female)	Experimental value	
Inhalation (vapours)	Not sensitizing				Rat (male / female)	Experimental value	

amines, C12-14 (even numbered) alkyl dimethyl, N-oxides

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

sodium hydroxide

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Human observation			Human (male)	Experimental value	Aqueous solution

Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

Specific target organ toxicity

NOVAFLUSH DPF ONE

No (test) data on the mixture available

Judgement is based on the relevant ingredients

propan-2-ol

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral							Data waiving	
Dermal							Data waiving	
Inhalation (vapours)	NOAEC	OECD 451	5000 ppm	No adverse systemic effects	104 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value	
Inhalation (vapours)	Dose level	Equivalent to OECD 403	5000 ppm	Central nervous system (drowsiness, dizziness)	6 h	Rat (male / female)	Experimental value	

ethanol

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (stomach tube)	LOAEL	Equivalent to OECD 408	3200 mg/kg	Liver; kidney (histopathology)	7 weeks (daily) - 14 weeks (daily)	Rat (male)	Experimental value	
Dermal							Data waiving	
Inhalation (vapours)	NOAEL	Subacute toxicity test	> 20 mg/l	No effect	26 days (6h / day)	Rat (male)	Experimental value	

amines, C12-14 (even numbered) alkyl dimethyl, N-oxides

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)	NOAEL	Equivalent to OECD 408	88 mg/kg bw/day	No effect	13 weeks (daily) - 14 weeks (daily)	Rat (male / female)	Experimental value	
Dermal	LOEL	Equivalent to OECD 411	0.27 %	Skin (tingling/irritation of the skin)	13 weeks (5 days / week)	Mouse (male / female)	Experimental value	

sodium hydroxide

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral							Data waiving	
Dermal							Data waiving	
Inhalation							Data waiving	

Conclusion

May cause drowsiness or dizziness.

Not classified for subchronic toxicity

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

9 / 18

NOVAFLUSH DPF ONE

Mutagenicity (in vitro)

NOVAFLUSH DPF ONE

No (test) data on the mixture available

Judgement is based on the relevant ingredients

propan-2-ol

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value	

ethanol

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 487	Human lymphocytes		Experimental value	
Negative with metabolic activation, negative without metabolic activation	EU Method B.17	Chinese hamster lung fibroblasts (V79)		Experimental value	

sodium hydroxide

Result	Method	Test substrate	Effect	Value determination	Remark
				Data waiving	

Mutagenicity (in vivo)

NOVAFLUSH DPF ONE

No (test) data on the mixture available

Judgement is based on the relevant ingredients

propan-2-ol

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Intraperitoneal)	Equivalent to OECD 474		Mouse (male / female)	No effect	Experimental value	Single intraperitoneal injection

ethanol

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Ambiguous (Oral (stomach tube))	Equivalent to OECD 478	5 days (1x / day)	Mouse (male)		Experimental value	

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Oral (stomach tube))	Equivalent to OECD 478	5 day(s)	Mouse (male)	No effect	Experimental value	

sodium hydroxide

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
					Data waiving	

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

NOVAFLUSH DPF ONE

No (test) data on the mixture available

Judgement is based on the relevant ingredients

propan-2-ol

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Inhalation (vapours)	NOEL	OECD 451	5000 ppm	No carcinogenic effect	104 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value	

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

10 / 18

NOVAFLUSH DPF ONE

ethanol

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (drinking water)	NOAEL	EPA OPPTS 870.4200	> 440 mg/kg bw/day	No carcinogenic effect	105 week(s)	Mouse (female)	Experimental value	
Oral (drinking water)	NOAEL	EPA OPPTS 870.4200	< 2600 mg/kg bw/day	No carcinogenic effect	105 week(s)	Mouse (male)	Experimental value	

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)	NOEL	Equivalent to OECD 451	0.2 %	No carcinogenic effect	2 year(s)	Rat (male / female)	Experimental value	

sodium hydroxide

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

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

NOVAFLUSH DPF ONE

No (test) data on the mixture available

Judgement is based on the relevant ingredients

propan-2-ol

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	400 mg/kg bw/day	10 day(s)	Rat	Foetus (no effect)	Experimental value	
Maternal toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	400 mg/kg bw/day	10 day(s)	Rat	No effect	Experimental value	
Effects on fertility (Oral (drinking water))	NOAEL	Equivalent to OECD 415	853 mg/kg bw/day		Rat (male / female)	No effect	Experimental value	

ethanol

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Inhalation (vapours))	NOAEL	Equivalent to OECD 414	≥ 20000 ppm	20 days (7h / day)	Rat	No effect	Experimental value	
Maternal toxicity (Inhalation (vapours))	NOAEL	Equivalent to OECD 414	16000 ppm	20 days (7h / day)	Rat	No effect	Experimental value	
Effects on fertility (Oral (stomach tube))	NOAEL	Equivalent to OECD 415	> 6000 mg/kg bw/day	9 weeks (2 times / week)	Rat (male)	No effect	Experimental value	

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (stomach tube))	LOAEL	Equivalent to OECD 414	200 mg/kg bw/day	10 day(s)	Rat	Fetotoxicity	Experimental value	
Maternal toxicity (Oral (stomach tube))	LOAEL	Equivalent to OECD 414	200 mg/kg bw/day	10 day(s)	Rat	Maternal toxicity	Experimental value	
Effects on fertility (Oral (diet))	NOAEL	Equivalent to OECD 416	37 mg/kg bw/day - 128 mg/kg bw/day		Rat (male / female)	No effect	Read-across	

sodium hydroxide

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity							Data waiving	
Maternal toxicity							Data waiving	
Effects on fertility							Data waiving	

Conclusion

Not classified for reprotoxic or developmental toxicity

Aspiration hazard

NOVAFLUSH DPF ONE

Judgement is based on the relevant ingredients

Not classified for aspiration toxicity

Toxicity other effects

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

11 / 18

NOVAFLUSH DPF ONE

NOVAFLUSH DPF ONE

No (test)data on the mixture available

Chronic effects from short and long-term exposure

NOVAFLUSH DPF ONE

No effects known.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

NOVAFLUSH DPF ONE

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

propan-2-ol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Equivalent to OECD 203	9640 mg/l - 10000 mg/l	96 h	Pimephales promelas	Flow-through system	Fresh water	Experimental value; Lethal
Acute toxicity crustacea	LC50	Equivalent to OECD 202	> 10000 mg/l	24 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	Toxicity threshold		1800 mg/l	7 day(s)	Scenedesmus quadricauda	Static system	Fresh water	Experimental value; Toxicity test
Long-term toxicity fish	NOELR	Petrotox computer model	> 1000 mg/l	28 day(s)	Brachydanio rerio			Estimated value
Long-term toxicity aquatic crustacea	NOEC		141 mg/l	16 day(s)	Daphnia magna		Fresh water	Experimental value; Growth
Toxicity aquatic micro-organisms	Toxicity threshold	Equivalent to DIN 38412/8	1050 mg/l	16 h	Pseudomonas putida	Static system	Fresh water	Experimental value; Toxicity test
	EC50	ISO 8192	41676 mg/l	30 minutes	Activated sludge			Experimental value

ethanol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	US EPA	15300 mg/l	96 h	Pimephales promelas	Flow-through system	Fresh water	Experimental value
Acute toxicity crustacea	LC50	ASTM E729-80	5012 mg/l	48 h	Ceriodaphnia dubia	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	ErC50	Equivalent to OECD 201	275 mg/l	3 day(s)	Chlorella vulgaris	Static system	Fresh water	Experimental value; Nominal concentration
	EC10	Equivalent to OECD 201	12 mg/l	3 day(s)	Chlorella vulgaris	Static system	Fresh water	Experimental value
Long-term toxicity fish	ChV	US EPA	245 mg/l	30 day(s)	Pisces		Fresh water	QSAR; Lethal
Long-term toxicity aquatic crustacea	NOEC		9.6 mg/l	9 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Nominal concentration
Toxicity aquatic micro-organisms	EC50		5800 mg/l	4 h	Paramecium caudatum	Static system	Fresh water	Experimental value; Nominal concentration

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

12 / 18

NOVAFLUSH DPF ONE

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	APHA	2.7 mg/l - 3.4 mg/l	96 h	Pimephales promelas	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	OECD 202	3.1 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	ErC50	Equivalent to OECD 201	0.27 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	NOEC	Equivalent to OECD 201	0.078 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	Equivalent to EPA OPPTS 850.1500	0.42 mg/l	302 day(s)	Pimephales promelas	Flow-through system	Fresh water	Experimental value; Measured concentration
Long-term toxicity aquatic crustacea	NOEC	Equivalent to OECD 211	0.7 mg/l	21 day(s)	Daphnia magna	Flow-through system	Fresh water	Experimental value; Measured concentration

sodium hydroxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		189 mg/l	48 h	Leuciscus idus		Fresh water	Experimental value
Acute toxicity crustacea	EC50		40 mg/l	48 h	Ceriodaphnia sp.			Experimental value; Locomotor effect

Conclusion

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

12.2. Persistence and degradability

propan-2-ol

Biodegradation water

Method	Value	Duration	Value determination
EU Method C.5	53 %; Oxygen consumption	5 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	17.668 h	1.5E6 /cm ³	Calculated value

ethanol

Biodegradation water

Method	Value	Duration	Value determination
	84 %; Oxygen consumption	20 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
	36 h - 40 h	5E5 /cm ³	Calculated value

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Biodegradation water

Method	Value	Duration	Value determination
OECD 301B	90 %; GLP	28 day(s)	Experimental value

Conclusion

Water

Contains readily biodegradable component(s)

12.3. Bioaccumulative potential

NOVAFLUSH DPF ONE

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

propan-2-ol

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFBAF v3.01	1015			Estimated value

Log Kow

Method	Remark	Value	Temperature	Value determination
		0.05	25 °C	Weight of evidence approach

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

13 / 18

NOVAFLUSH DPF ONE

ethanol

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		1 - 4.5	72 h	Cyprinus carpio	Read-across

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		-0.35	24 °C	Experimental value

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Log Kow

Method	Remark	Value	Temperature	Value determination
		< 2.7		Calculated

sodium hydroxide

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (inorganic)			

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

propan-2-ol

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.185 - 0.541	Calculated value

ethanol

(log) Koc

Parameter	Method	Value	Value determination
log Koc		0	Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	53 %		0.1 %	14 %	33 %	QSAR

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	0 %		0.8 %	83 %	16 %	Calculated value

Conclusion

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

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

NOVAFLUSH DPF ONE

Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

Water ecotoxicity pH

pH shift

propan-2-ol

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Groundwater

Groundwater pollutant

ethanol

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Groundwater

Groundwater pollutant

amines, C12-14 (even numbered) alkyldimethyl, N-oxides

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

14 / 18

NOVAFLUSH DPF ONE

sodium hydroxide

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Groundwater

Groundwater pollutant

Water ecotoxicity pH

pH shift

SECTION 13: Disposal considerations

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

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.

13.1.2 Disposal methods

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

13.1.3 Packaging/Container

European Union

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

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

SECTION 14: Transport information

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

14.1. UN number or ID number

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

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no
--	----

14.6. Special precautions for user

Special provisions	
Limited quantities	

14.7. Maritime transport in bulk according to IMO instruments

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

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
22.5 % - 30 %	
216 g/l - 288 g/l	

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

European drinking water standards (98/83/EC and 2020/2184)

NOVAFLUSH DPF ONE

Parameter	Parametric value	Note	Reference
Sodium	200 mg/l		Listed in Annex I, Part C, of Directive (EU) 2020/2184 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.

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

15 / 18

NOVAFLUSH DPF ONE

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
<ul style="list-style-type: none"> · propan-2-ol · ethanol 	<p>Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:</p> <p>(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;</p> <p>(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;</p> <p>(c) hazard class 4.1;</p> <p>(d) hazard class 5.1.</p>	<ol style="list-style-type: none"> 1. Shall not be used in: <ul style="list-style-type: none"> — 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: <ul style="list-style-type: none"> — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with 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: <ol style="list-style-type: none"> a) lamp oils, labelled with 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 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 H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
<ul style="list-style-type: none"> · propan-2-ol · ethanol 	<p>Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.</p>	<ol style="list-style-type: none"> 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: <ul style="list-style-type: none"> — metallic glitter intended mainly for decoration, — artificial snow and frost, — “whoopee” cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs. 2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: <p>“For professional users only”.</p> 3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC. 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.
<ul style="list-style-type: none"> · propan-2-ol · sodium hydroxide 	<p>Substances falling within one or more of the following points:</p> <p>(a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008:</p> <ul style="list-style-type: none"> — carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, but excluding any such substances classified due to effects only following exposure by inhalation — reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation — skin sensitiser category 1, 1A or 1B — skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2 — serious eye damage category 1 or eye irritant category 2 <p>(b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council</p> <p>(c) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex (d) substances listed in Appendix 13 to this Annex.</p> <p>The ancillary requirements in paragraphs 7 and 8 of column 2 of this entry apply to all mixtures for use for tattooing purposes, whether or not they contain a substance falling within points (a) to (d) of this column of this entry.</p>	<p>Mixtures for tattooing purposes are subject to the restrictions of Regulation (EU) 2020/2081</p>

NOVAFLUSH DPF ONE

National legislation Belgium

NOVAFLUSH DPF ONE

No data available

propan-2-ol

Agents cancérogènes, mutagènes et reprotoxiques et aux agents possédant des propriétés perturbant le système endocrinien (Code du bien-être au travail, Livre VI, titre 2)	alcool isopropylique; VI.2.2.; Liste des procédés au cours desquels une substance ou un mélange se dégage; Procédé à l'acide fort dans la fabrication d'alcool isopropylique.
--	---

National legislation The Netherlands

NOVAFLUSH DPF ONE

Waterbezwaarlijkheid	B (3); Algemene Beoordelingsmethodiek (ABM)
ethanol	
Huidopname (wettelijk)	Ethanol; H
SZW - Lijst van kankerverwekkende stoffen	ethanol; Opgenomen in SZW-lijst van kankerverwekkende stoffen
SZW - Lijst van voor de voortplanting giftige stoffen (ontwikkeling)	ethanol; ethylalcohol; Opgenomen in SZW-lijst van voor de voortplanting giftige stoffen (ontwikkeling); 1A
SZW - Lijst van voor de voortplanting giftige stoffen (vruchtbaarheid)	ethanol; ethylalcohol; Opgenomen in SZW-lijst van voor de voortplanting giftige stoffen (vruchtbaarheid); 1A
SZW - Lijst van voor de voortplanting giftige stoffen (borstvoeding)	ethanol; ethylalcohol; Opgenomen in SZW-lijst van voor de voortplanting giftige stoffen (borstvoeding)

National legislation France

NOVAFLUSH DPF ONE

No data available

National legislation Germany

NOVAFLUSH DPF ONE

Lagerklasse (TRGS510)	8 A: Brennbare ätzende Gefahrstoffe
WGK	1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017
propan-2-ol	
TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	Propan-2-ol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
ethanol	
TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	Ethanol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
amines, C12-14 (even numbered) alkylidimethyl, N-oxides	
TA-Luft	5.2.1
sodium hydroxide	
TA-Luft	5.2.1

National legislation Austria

NOVAFLUSH DPF ONE

No data available

National legislation United Kingdom

NOVAFLUSH DPF ONE

No data available

Other relevant data

NOVAFLUSH DPF ONE

No data available

propan-2-ol

TLV - Carcinogen	2-propanol; A4
IARC - classification	3; Isopropanol

ethanol

TLV - Carcinogen	Ethanol; A3
IARC - classification	1; Alcohol beverages

15.2. Chemical safety assessment

No chemical safety assessment is required for a mixture.

Reason for revision: 2; 3

Publication date: 2017-03-14

Date of revision: 2024-05-27

Revision number: 0200

BIG number: 58254

17 / 18

NOVAFLUSH DPF ONE

SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3:

- H225 Highly flammable liquid and vapour.
- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BEI	Biological Exposure Indices
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC10	Effect Concentration 10 %
EC50	Effect Concentration 50 %
ERC50	EC50 in terms of reduction of growth rate
GLP	Good Laboratory Practice
LC0	Lethal Concentration 0 %
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
LOAEC/LOAEL	Lowest Observed Adverse Effect Concentration/Lowest Observed Adverse Effect Level
NOAEC/NOAEL	No Observed Adverse Effect Concentration/No Observed Adverse Effect Level
NOEC/NOEL	No Observed Effect Concentration/No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

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. 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.