SAFETY DATA SHEET



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

KLEENSPRAY S

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

1.1. Product identifier

Product name: KLEENSPRAY SRegistration 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

Detergent according to Regulation (EC) No 648/2004

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 **2** +32 14 25 76 40 **4** +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@tec7.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 dange	lassified 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.			
Asp. Tox.	category 1	H304: May be fatal if swallowed and enters airways.			
Eye Irrit.	category 2	H319: Causes serious eye irritation.			
STOT SE	category 3	H336: May cause drowsiness or dizziness.			
Aquatic Chronic	category 2	H411: Toxic to aquatic life with long lasting effects.			

2.2. Label elements



 Contains: hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics; propan-2-ol; acetone.

 Signal word
 Danger

 H-statements
 Highly flammable liquid and vapour.

 H304
 May be fatal if swallowed and enters airways.

- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
 P-statements

P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.P280Wear protective gloves and eye protection/face protection.

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG) Technische Schoolstraat 43 A, B-2440 Geel http://www.big.be © BIG vzw Reason for revision: 3.2; 5; 15

Revision number: 0801

Publication date: 2003-06-03

Date of revision: 2019-05-07

134-16239-647-en

P304 + P340 P303 + P361 + P353 P305 + P351 + P338 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P301 + P310

Supplemental information

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No List No	Conc. (C)	Classification according to CLP	Note	Remark
hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics 01-2119473851-33	920-750-0	C≤70 %	Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	Constituent
propan-2-ol 01-2119457558-25	67-63-0 200-661-7	C≤20 %	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent
acetone 01-2119471330-49	67-64-1 200-662-2	C≤20 %	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent
n-hexane 01-2119480412-44	110-54-3 203-777-6	C≤2 %	Flam. Liq. 2; H225 Repr. 2; H361f Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(2)(8)(10)	Constituent
cyclohexane 01-2119463273-41	110-82-7 203-806-2	C≤2 %	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)(10)	Constituent

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

(2) Substance with a Community workplace exposure limit

(8) Specific concentration limits, see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

Note: numbers 9xx-xxx-x are provisional list numbers assigned by Echa pending an official EC inventory number

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. Do not apply (chemical) neutralizing agents without medical advice. Take victim to a doctor if irritation persists.

After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Do not induce vomiting. Do not apply (chemical) neutralizing agents without medical advice. 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

Reason for revision: 3.2; 5; 15

After inhalation:

Headache. Nausea. Dizziness. Narcosis. Disturbances of consciousness. After skin contact: Dry skin. Cracking of the skin. After eye contact: Irritation of the eye tissue. After ingestion: Risk of aspiration pneumonia. Nausea. Gastrointestinal complaints. 4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

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

Major fire: Class B foam (not alcohol-resistant).

5.1.2 Unsuitable extinguishing media:

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

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Do not move the load if exposed to heat. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face shield. Protective clothing.

See heading 8.2

6.2. Environmental precautions

Contain released product. Dam up the liquid spill. Try to reduce evaporation. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

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

7.1. Precautions for safe handling

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Observe normal hygiene standards. Avoid prolonged and repeated contact with skin. Remove contaminated clothing immediately. Do not discharge the waste into the drain. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Store in a cool area. Protect against frost. Keep out of direct sunlight. Keep container in a well-ventilated place. Fireproof storeroom. Keep container tightly closed. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, reducing agents, (strong) acids, (strong) bases.

7.2.3 Suitable packaging material:

No data available

Reason for revision: 3.2; 5; 15

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

EU

8.1.1 Occupational exposure

a) Occupational exposure limit values

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

EU		
Acetone	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	500 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1210 mg/m³
Cyclohexane	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	200 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	700 mg/m³
n-Hexane	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	20 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	72 mg/m³
Belgium		
Acétone	Time-weighted average exposure limit 8 h	500 ppm
	Time-weighted average exposure limit 8 h	1210 mg/m ³
	Short time value	1000 ppm
	Short time value	2420 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
Cyclohexane	Time-weighted average exposure limit 8 h	100 ppm
Lycionexane	Time-weighted average exposure limit 8 h	350 mg/m ³
n-Hexane	Time-weighted average exposure limit 8 h	20 ppm
II-Hexalle	Time-weighted average exposure limit 8 h	20 ppm 72 mg/m ³
The Netherlands		
Aceton	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	1210 mg/m ³
	Short time value (Public occupational exposure limit value)	1002 ppm
	Short time value (Public occupational exposure limit value)	2420 mg/m³
Cyclohexaan	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	200 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	700 mg/m³
	Short time value (Public occupational exposure limit value)	400 ppm
	Short time value (Public occupational exposure limit value)	1400 mg/m ³
n-Hexaan	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	20 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	72 mg/m³
	Short time value (Public occupational exposure limit value)	40 ppm
	Short time value (Public occupational exposure limit value)	144 mg/m ³
France	· · · · · · · · · · · · · · · · · · ·	, -
Acétone	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	500 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	1210 mg/m³

	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire	1210 mg/m³
	contraignante)	
	Short time value (VRC: Valeur réglementaire contraignante)	1000 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	2420 mg/m³
Alcool isopropylique	Short time value (VL: Valeur non réglementaire indicative)	400 ppm
	Short time value (VL: Valeur non réglementaire indicative)	980 mg/m³

Reason for revision: 3.2; 5; 15

Publication date: 2003-06-03 Date of revision: 2019-05-07

Product number: 39753

Cyclohexane	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	200 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	700 mg/m³
	Short time value (VL: Valeur non réglementaire indicative)	375 ppm
	Short time value (VL: Valeur non réglementaire indicative)	1300 mg/m ³
n-Hexane	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	20 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	72 mg/m³

Germany		
Aceton	Time-weighted average exposure limit 8 h (TRGS 900)	500 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	1200 mg/m ³
Cyclohexan	Time-weighted average exposure limit 8 h (TRGS 900)	200 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	700 mg/m³
n-Hexan	Time-weighted average exposure limit 8 h (TRGS 900)	50 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	180 mg/m³
Propan-2-ol	Time-weighted average exposure limit 8 h (TRGS 900)	200 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	500 mg/m ³

UК

UK		
Acetone	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	500 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1210 mg/m ³
	Short time value (Workplace exposure limit (EH40/2005))	1500 ppm
	Short time value (Workplace exposure limit (EH40/2005))	3620 mg/m ³
Cyclohexane	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	100 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	350 mg/m³
	Short time value (Workplace exposure limit (EH40/2005))	300 ppm
	Short time value (Workplace exposure limit (EH40/2005))	1050 mg/m³
n-Hexane	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	20 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	72 mg/m³
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/m³
	Short time value (Workplace exposure limit (EH40/2005))	500 ppm
	Short time value (Workplace exposure limit (EH40/2005))	1250 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
Acetone	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	250 ppm
	Short time value (TLV - Adopted Value)	500 ppm
Cyclohexane	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	100 ppm
n-Hexane	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	50 ppm

b) National biological limit values If limit values are applicable and available these will be listed below.

Germany

Aceton (Aceton)	Urin: expositionsende, bzw. schichtende	80 mg/l	11/2012 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG
Cyclohexan (1,2-Cyclohexandiol (nach Hydrolyse))	Urin: bei langzeitexposition: am schichtende nach mehreren vorangegangenen schichten expositionsende, bzw. schichtende	150 mg/g Kreatinin	11/2012 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG
Hexan (n-Hexan) (2,5-Hexandion plus 4,5-Dihydroxy-2-Hexanon (nach Hydrolyse))	Urin: expositionsende, bzw. schichtende	5 mg/l	5/2013 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG
Propan-2-ol (Aceton)	Urin: expositionsende, bzw. schichtende	25 mg/l	11/2012 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG
Propan-2-ol (Aceton)	Vollblut: expositionsende, bzw. schichtende	25 mg/l	11/2012 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG

Reason for revision: 3.2; 5; 15

Publication date: 2003-06-03

Vitamin K-Antagonisten (Quick-W	Vert) Vollblut: keir	Vollblut: keine beschränkung		11/2012 Ständige Senatskommiss Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG
USA (BEI-ACGIH)				
2-Propanol (Acetone)	Urine: end of	f shift at end of workweek	40 mg/L	
Acetone (Acetone)	Urine: end of	f shift	25 mg/L	
n-Hexane (2,5-Hexanedion)	Urine: end of	f shift	0,5 mg/L	
2 Sampling methods				
Product name		Test	Number	
Acetone (ketones 1)		NIOSH	1300 2555	
Acetone (ketones I) Acetone (organic and inorganic g	acac by Extractive FTIR	NIOSH	3800	
Acetone (organic and inorganic g Acetone (Volatile Organic compo		NIOSH	2549	
ACETONE and METHYL ETHYL KET		NIOSH	8319	
Acetone		OSHA	69	
Cyclohexane (Hydrocarbons, BP3	6 to 126C)	NIOSH	1500	
Cyclohexane	,	OSHA	1022	
Cyclohexane		OSHA	7	
Isopropanol (Volatile Organic con	npounds)	NIOSH	2549	
Isopropyl Alcohol (Alcohols I)		NIOSH	1400	
Isopropyl Alcohol		OSHA	109	
n-Hexane (Hydrocarbons, BP36 to	1	NIOSH	1500	
n-Hexane (organic and inorganic			3800	
n-Hexane (Volatile Organic comp	ounds)	NIOSH	2549	
n-Hexane		OSHA	2248	
n-Hexane 3 Applicable limit values when u		OSHA	7	
Effect level (DNEL/DMEL)	isoalkanes, cyclics Type		Value	Remark
Effect level (DNEL/DMEL) DNEL	Type Long-term syster	nic effects inhalation nic effects dermal	Value 2035 mg/m ³ 773 mg/kg bw/day	Remark
	Type Long-term syster		2035 mg/m ³	Remark
DNEL	Type Long-term syster Long-term syster Type	nic effects dermal	2035 mg/m ³ 773 mg/kg bw/day Value	Remark Remark
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DNEL propan-2-ol Effect level (DNEL/DMEL) DNEL accetone Effect level (DNEL/DMEL) DNEL DNEL Effect level (DNEL/DMEL) DNEL Effect level (DNEL/DMEL) DNEL cyclohexane	Type Long-term syster Long-term syster Type Long-term syster	mic effects dermal mic effects inhalation mic effects dermal mic effects inhalation ts inhalation mic effects dermal mic effects inhalation	2035 mg/m ³ 773 mg/kg bw/day Value 500 mg/m ³ 888 mg/kg bw/day Value 1210 mg/m ³ 2420 mg/m ³ 186 mg/kg bw/day Value 75 mg/m ³ 11 mg/kg bw/day	Remark Remark Remark Remark Remark
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Reason for revision: 3.2; 5; 15

Publication date: 2003-06-03 Date of revision: 2019-05-07

Product number: 39753

Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term sy	stemic effects inhalation	200 mg/m ³	
	Long-term sy	Long-term systemic effects dermal		/day
Long-term syste		stemic effects oral	62 mg/kg bw/	
<u>hexane</u>				· · ·
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term sy	Long-term systemic effects inhalation		
	Long-term systemic effects dermal		5.3 mg/kg bw	/day
	Long-term sy	mic effects oral 4 mg/kg bw/		lay
<u>vclohexane</u>				
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	<i>(</i>	stemic effects inhalation	206 mg/m ³	
		ic effects inhalation	412 mg/m ³	
		cal effects inhalation	206 mg/m ³	
		ffects inhalation	412 mg/m ³	
		stemic effects dermal	1186 mg/kg b	
	Long-term sy	stemic effects oral	59.4 mg/kg b	w/day
<u>NEC</u> ropan-2-ol				
Compartments		Value	F	Remark
Fresh water		140.9 mg/l		
Marine water		140.9 mg/l		
Fresh water (intermittent relea	ses)	140.9 mg/l		
STP		2251 mg/l		
Fresh water sediment		552 mg/kg sediment dw		
Marine water sediment			552 mg/kg sediment dw	
Soil		28 mg/kg soil dw		
Oral		160 mg/kg food		
<u>cetone</u>				
Compartments		Value	F	Remark
Fresh water		10.6 mg/l		
Aqua (intermittent releases)		21 mg/l		
Marine water		1.06 mg/l		
STP		100 mg/l		
Fresh water sediment		30.4 mg/kg sediment dw		
Marine water sediment		3.04 mg/kg sediment dw		
Soil		29.5 mg/kg soil dw		
<u>vclohexane</u>		h		· ·
Compartments		Value	F	Remark
Fresh water		0.207 mg/l		
Marine water		0.207 mg/l		
Aqua (intermittent releases)		0.207 mg/l		
STP		3.24 mg/l		
Fresh water sediment		16.68 mg/kg sediment dw		
Marine water sediment		16.68 mg/kg sediment dw		
Soil		3.38 mg/kg soil dw		

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

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

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Measure the concentration in the air regularly.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Avoid prolonged and repeated contact with skin. 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
butyl rubber	> 480 minutes	0.7 mm	Class 6

c) Eye protection:

Protective goggles.

d) Skin protection:

Head/neck protection. Protective clothing. 8.2.3 Environmental exposure controls:

Reason for revision: 3.2; 5; 15

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	Liquid
Odour	Characteristic odour
Odour threshold	No data available
Colour	No data available on colour
Particle size	Not applicable (liquid)
Explosion limits	0.9 - 13 vol %
Flammability	Highly flammable liquid and vapour.
Log Kow	Not applicable (mixture)
Dynamic viscosity	1 mPa.s ; 20 °C
Kinematic viscosity	1 mm²/s ; 20 °C
Melting point	No data available
Boiling point	57 °C - 140 °C
Evaporation rate	5.6 ; Butyl acetate
Relative vapour density	No data available
Vapour pressure	43 hPa ; 20 °C
Solubility	Water ; insoluble
Relative density	0.73 ; 20 °C
Decomposition temperature	No data available
Auto-ignition temperature	250 °C
Flash point	< -18 °C
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
рН	No data available

9.2. Other information

Absolute density

730 kg/m³ ; 20 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

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

10.5. Incompatible materials

Oxidizing agents, reducing agents, (strong) acids, (strong) bases.

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

KLEENSPRAY S

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

Reason for revision: 3.2; 5; 15

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	> 5840 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50		>4 ml/kg bw	24 h	Rat (male / female)	Experimental value	
Dermal	LD50		> 2920 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 23.2 mg/l air	4 h	Rat (male / female)	Experimental value	
pan-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 mg/kg bw	24 h	Rabbit	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 10000 ppm	6 h	Rat (male / female)	Experimental value	
etone			1		- I		1
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	5800 mg/kg		Rat (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	20000 mg/kg		Rabbit (male)	Experimental value	
Inhalation (vapours)	LC50	Other	76 mg/l	4 h	Rat (female)	Experimental value	
iexane							•
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	16000 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 3350 mg/kg bw	4 h	Rabbit (male)	Read-across	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 5000 ppm	24 h	Rat (male)	Experimental value	
lohexane				•	•		
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
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		Rabbit (male / female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 32.88 mg/l air	4 h	Rat (male / female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 19.07 mg/l	4 h	Rat (male / female)	Experimental value	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

KLEENSPRAY S

No (test)data on the mixture available

Classification is based on the relevant ingredients hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
						determination	
Eye	Not irritating				Rabbit	Experimental	Single treatment
						value	
Skin	Not irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental	
	_					value	

Reason for revision: 3.2; 5; 15

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Еуе	Irritating	Equivalent to OECD 405		24 hours	Rabbit	Experimental value	Single treatmer
Skin	Not irritating		4 h	4; 24; 48; 72 hours	Rabbit	Experimental value	
etone							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Еуе	Irritating	OECD 405		24; 48; 72 hours	Rabbit	Weight of evidence	
Skin	Not irritating	Other	3 day(s)	24; 48; 72 hours	Guinea pig	Weight of evidence	
Inhalation	Slightly irritating	Human observation study	20 minutes		Human	Literature	
<u>iexane</u>							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark

						determination	
Eye	Not irritating	Equivalent to		72 hours	Rabbit	Read-across	
		OECD 405					
Skin	Slightly irritating	Equivalent to	24 h	24; 72 hours	Rabbit	Read-across	
		OECD 404					
Skin	Irritating;					Annex VI	
	category 2						

Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test cyclohexane

<u>~</u> ,	lionexane	
	Route of exposure	Result

Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
						determination	
Eye	Slightly irritating	Equivalent to		1 hour	Rabbit	Experimental	
		OECD 405				value	
Skin	Not irritating	Equivalent to EU Method B.4	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Irritating; category 2					Annex VI	
Inhalation	Irritating					Literature study	

Conclusion

Causes serious eye irritation.

Respiratory or skin sensitisation

KLEENSPRAY S

No (test)data on the mixture available

Judgement is based on the relevant ingredients hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 406			Guinea pig (male / female)	Experimental value	
ropan-2-ol			-	-	•		
Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406		24; 48 hours	Guinea pig (male / female)	Experimental value	
cetone		-		-			
Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Human observation			Human	Literature	
-hexane		•			•		
Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 429			Mouse	Read-across	
<u>clohexane</u>		•	•	-	•		
Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	EU Method B.6		24; 48 hours	Guinea pig (male / female)	Experimental value	

Conclusion

Not classified as sensitizing for skin

Reason for revision: 3.2; 5; 15

Specific target organ toxicity

KLEENSPRAY S

No (test)data on the mixture available

Classification is based on the relevant ingredients hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	5800 mg/m³ air	Blood	No effect	13 weeks (6h / day, 5 days / week)	Rat (male)	Experimental value
pan-2-ol	_			•		•	i	-
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral								Data waiving
Dermal								Data waiving
Inhalation (vapours)	NOAEC	OECD 451	5000 ppm		No effect	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
tone								
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	NOAEL	Equivalent to OECD 408	20 mg/l		No effect	13 week(s)	Mouse (male / female)	Experimental value
Dermal								Not relevant, expert judgement
Inhalation (vapours)	NOAEC	Other	19000 ppm		No effect	8 week(s)	Rat (male)	Literature
Inhalation (vapours)	Dose level	Human observation study	361 ppm	Central nervous system	neurotoxic effects	2 day(s)	Human	Epidemiologica study
iexane								
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	Subchronic toxicity test	567 mg/kg bw/day - 1135 mg/kg bw/day		No effect	13 weeks (5 days / week)	Rat (male)	Experimental value
Oral (stomach tube)	LOAEL	Subchronic toxicity test	3956 mg/kg bw/day	Central nervous system	neurotoxic effects	17 weeks (5 days / week)	Rat (male)	Experimental value
Dermal								Data waiving
Inhalation (vapours)	LOAEC	Subchronic toxicity test	3000 ppm	Central nervous system	Impairment of the nervous system	16 weeks (daily)	Rat (male)	Experimental value
Inhalation (vapours)			STOT SE cat.3		Drowsiness, dizziness			Literature stuc
lohexane		I		1			1	1
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral								Data waiving
Dermal	1							Data waiving
Inhalation (vapours)	NOAEC	EPA OPPTS 870.3465	7000 ppm		No adverse systemic	13 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value

effects

6 h

Central nervous No effect

system

(vapours) **Conclusion**

May cause drowsiness or dizziness.

NOAEC

EPA OPPTS

870.3465

500 mg/m³ air

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Inhalation

KLEENSPRAY S

No (test)data on the mixture available

Reason for revision: 3.2; 5; 15

Product number: 39753

Rat (male /

female)

Experimental

value

Result Negative with m activation, negative without metabolic activation ropan-2-ol Result Negative with m activation, negative without metabolic activation, negative without metabolic activation cetone Result Negative	itive blic Method netabolic tive blic Method	od alent to OECD 471 od alent to OECD 471 od	Test substrate Bacteria (S.typhimuriu Test substrate Bacteria (S.typhimuriu	Effect	Experin Value d	etermination nental value etermination	Remark
Negative with m activation, negai without metabo activation ropan-2-01 Result Negative with m activation, negai without metabo activation cetone Result Negative -hexane Result	netabolic tive blic Method netabolic tive blic Method Equivale	alent to OECD 471	Bacteria (S.typhimuriu	um) No effect Effect	Experin Value d	nental value	Remark
Negative with m activation, negai without metabo activation propan-2-ol Result Negative with m activation, negai without metabo activation cetone Result Negative h-hexane Result	netabolic tive blic Method netabolic tive blic Method Equivale	alent to OECD 471	Bacteria (S.typhimuriu	um) No effect Effect	Experin Value d	nental value	
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Result			Test substrate	Effect		etermination	Remark
Result	Method	alent to OECD 471	Bacteria (S.typhimuriu	um) No effect	Experin	nental value	
	Method						
Negative			Test substrate	Effect		etermination	Remark
	OECD 47	476	Mouse (lymphoma L5: cells)	178Y No effect	Experin	nental value	
Negative	Equivale	alent to OECD 471	Bacteria (S.typhimuriu	um) No effect	Experin	nental value	
yclohexane							
Result	Method	od	Test substrate	Effect	Value d	etermination	Remark
Negative with m activation, negativity without metabo activation	tive	alent to OECD 471	Bacteria (S.typhimuriu	um) No effect	Experin	nental value	
Negative with m activation, negativity without metabo activation	tive	alent to OECD 476	Mouse (lymphoma L5: cells)	178Y No effect	Experin	nental value	
No (test)data on the udgement is based	e mixture available l on the relevant ing 9, n-alkanes, isoalka	ngredients					
	l on the relevant ing	ngredients	Exposure time	Test substrate	Organ		Value determina
No (test)data on the ludgement is based hydrocarbons, C7-CS	l on the relevant ing	ngredients kanes, cyclics		Test substrate Mouse (male)	Organ Bone m		Value determina Experimental va
No (test)data on the ludgement is based lydrocarbons, C7-C9 Result Negative	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0					
No (test)data on the ludgement is based lydrocarbons, C7-C9 Result Negative	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0				arrow	
No (test)data on the ludgement is based lydrocarbons, C7-C5 Result Negative propan-2-ol	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to (474	DECD Exposure time	Mouse (male)	Bone m	harrow	Experimental va
No (test)data on the ludgement is based hydrocarbons, C7-C9 Result Negative propan-2-ol Result	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0	DECD Exposure time	Mouse (male) Test substrate	Bone m	harrow	Experimental va Value determina
No (test)data on the Judgement is based Jydrocarbons, C7-C5 Result Negative propan-2-ol Result Negative	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0	DECD Exposure time	Mouse (male) Test substrate	Bone m Organ female)	iarrow	Experimental va Value determina
No (test)data on the Judgement is based Jydrocarbons, C7-CS Result Negative Joropan-2-ol Result Negative Jorepan-2-ol Result Result	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0 474	DECD Exposure time	Mouse (male) Test substrate Mouse (male /	Bone m Organ female) Organ	arrow	Experimental va Value determina Experimental va
No (test)data on the udgement is based uddrocarbons, C7-CS Result Negative propan-2-ol Result Negative 	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0 474	DECD Exposure time DECD Exposure time Exposure time	Mouse (male) Test substrate Mouse (male / Test substrate	Bone m Organ female) Organ	arrow	Experimental va Value determina Experimental va Value determina
No (test)data on the udgement is based uddrocarbons, C7-CS Result Negative propan-2-ol Result Negative 	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0 474 Method	DECD Exposure time DECD Exposure time 13 week(s)	Mouse (male) Test substrate Mouse (male / Test substrate Mouse (male /	Bone m Organ female) Organ female)	arrow	Experimental va Value determina Experimental va Value determina Literature
No (test)data on the udgement is based uddrocarbons, C7-CS Result Negative propan-2-ol Result Negative 	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0 474	DECD Exposure time DECD Exposure time 13 week(s) Exposure time 8 weeks (6h / day,	Mouse (male) Test substrate Mouse (male / Test substrate Mouse (male / Test substrate Test substrate	Bone m Organ female) Organ	arrow	Experimental va Value determina Experimental va Value determina
No (test)data on the ludgement is based hydrocarbons, C7-CS Result Negative roppan-2-ol Result Negative <u>Result</u> Negative <u>Result</u> Result	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0 474 Method	DECD Exposure time DECD Exposure time 13 week(s) Exposure time	Mouse (male) Test substrate Mouse (male / Test substrate Mouse (male / Test substrate Test substrate	Bone m Organ female) Organ female)	arrow	Experimental va Value determina Experimental va Value determina Literature Value determina
No (test)data on the ludgement is based hydrocarbons, C7-C5 Result Negative propan-2-ol Result Negative <u>Result</u> Negative <u>h-hexane</u> Result Negative	l on the relevant ing	ngredients kanes, cyclics Method Equivalent to 0 474 Method Equivalent to 0 474 Method	DECD Exposure time DECD Exposure time 13 week(s) Exposure time 8 weeks (6h / day,	Mouse (male) Test substrate Mouse (male / Test substrate Mouse (male / Test substrate Test substrate	Bone m Organ female) Organ female)	arrow	Experimental va Value determina Experimental va Value determina Literature Value determina

Reason for revision: 3.2; 5; 15

oro	pan-2-ol	

pan-2-ol								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinatior
Inhalation	NOEL	OECD 451	5000 ppm	104 weeks (6h / day,	Rat (male /	No carcinogenic		Experimental
(vapours)				5 days / week)	female)	effect		value
etone								
Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
exposure								determination
Dermal	NOEL	Other	79 mg	51 week(s)	Mouse (female)	No effect		Literature
exane	•	•						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinatior
Inhalation (vapours)	NOAEC	Equivalent to OECD 451	3000 ppm	104 weeks (6h / day, 5 days / week)	Mouse (female)	No carcinogenic effect		Read-across
Inhalation (vapours)	LOAEC	Equivalent to OECD 451	9018 ppm	104 weeks (6h / day, 5 days / week)	Mouse (female)	Tumor formation	Liver	Read-across
Inhalation (vapours)	NOAEC	Equivalent to OECD 451	9018 ppm	104 weeks (6h / day, 5 days / week)	Mouse (male)	No carcinogenic effect		Read-across

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

KLEENSPRAY S

No (test)data on the mixture available Judgement is based on the relevant ingredients hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	31680 mg/m³ air	10 day(s)	Rat	No effect	Foetus	Read-across
Maternal toxicity	NOAEL	Equivalent to OECD 414	3168 mg/m ³ air	10 day(s)	Rat	No effect		Read-across
	LOAEL	Equivalent to OECD 414	10560 mg/m ³ air	10 day(s)	Rat	Discolouration	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
pan-2-ol	•	•	•		•			
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	400 mg/kg bw/day	10 day(s)	Rat	No effect	Foetus	Experimental value
Maternal toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	400 mg/kg bw/day	10 day(s)	Rat (female)	No effect		Experimental value
Effects on fertility (Oral (drinking water))	NOAEL	Equivalent to OECD 415	853 mg/kg bw/day	21 day(s) - 70 day(s)	Rat (male / female)	No effect		Experimental value
<u>tone</u>								
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinatior
								ucterminatio

							determination
Developmental toxicity		Equivalent to OECD 414	11000 ppm	6 days (gestation, daily) - 19 days (gestation, daily)	Rat (male / female)		Experimental value
Effects on fertility	NOAEL	Other	900 mg/kg bw/day	13 week(s)	Rat (male)	No effect	Literature

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinatior
Developmental toxicity (Inhalation (vapours))	NOAEC	Equivalent to OECD 414	9000 ppm	10 days (gestation, 6h / day)	Rat	No effect		Experimental value
Maternal toxicity	NOAEC	Equivalent to OECD 414	3000 ppm	10 days (gestation, 6h / day)	Rat	No effect		Experimental value
Maternal toxicity (Inhalation (vapours))	LOAEL	Equivalent to OECD 414	9000 ppm	10 days (gestation, 6h / day)	Rat	Weight gain		Experimental value
Effects on fertility (Inhalation (vapours))	NOAEC	Equivalent to OECD 416	9000 ppm	≥ 13 weeks (6h / day, 5 days / week)	Rat (male / female)	No effect		Experimental value

Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test cyclohexane

	Parameter	Method	Value	Exposure time	Species	Effect	1.0.	Value determination
Developmental toxicity	NOAEC	Equivalent to OECD 414	7000 ppm	10 days (6h / day)	Rat	No effect		Experimental value
Maternal toxicity	NOAEC	Equivalent to OECD 414	2000 ppm	10 days (6h / day)	Rat (female)	No effect		Experimental value
Effects on fertility	NOAEC	Equivalent to OECD 416	7000 ppm	> 11 weeks (6h / day, 5 days / week)	Rat (male / female)	No effect		Experimental value

Conclusion

Not classified for reprotoxic or developmental toxicity

Aspiration hazard

Classification is based on the relevant ingredients May be fatal if swallowed and enters airways.

Toxicity other effects

KLEENSPRAY S

No (test)data on the mixture available

Classification is based on the relevant ingredients acetone

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

ohexane							
Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value
							determination
NOAEC	Other	2000 ppm		neurotoxic effects	6 h	Rat (male)	Experimental value
LOAEC	Other	7000 ppm		neurotoxic effects	6 h	Rat (male)	Experimental value

Conclusion

Repeated exposure may cause skin dryness or cracking.

Chronic effects from short and long-term exposure

KLEENSPRAY S

No effects known.

SECTION 12: Ecological information

12.1. Toxicity

KLEENSPRAY S

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

Reason for revision: 3.2; 5; 15

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determinati
	rununceer	linetinou	Vulue	Duration	opecies	rest design	water	
Acute toxicity fishes	LC50	OECD 203	3 mg/l - 10 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental valu GLP
Acute toxicity crustacea	EC50	OECD 202	4.6 mg/l - 10.0 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental valu GLP
Toxicity algae and other aquatic plants	EL50	OECD 201	10 mg/l - 30 mg/l	72 h	Pseudokirchneri ella subcapitata	Static system	Fresh water	Experimental valu GLP
	NOELR	OECD 201	10 mg/l	72 h	Pseudokirchneri ella subcapitata	Static system	Fresh water	Experimental valu GLP
Long-term toxicity fish	NOELR		0.574 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	QSAR; Growth rat
Long-term toxicity aquatic crustacea	NOEC	OECD 211	0.17 mg/l	21 day(s)	Daphnia magna	Static system	Fresh water	Experimental valu GLP
opan-2-ol								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinati
Acute toxicity fishes	LC50	Equivalent to OECD 203	9640 mg/l - 10000 mg/l	96 h	Pimephales promelas	Flow- through system	Fresh water	Experimental valu Lethal
Acute toxicity crustacea	LC50	Equivalent to OECD 202	> 10000 mg/l	24 h	Daphnia magna	Static system	Fresh water	Experimental valu
Toxicity algae and other aquatic plants	Toxicity threshold		1800 mg/l	7 day(s)	Scenedesmus quadricauda	Static system	Fresh water	Experimental valu Toxicity test
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea	NOEC		2344 µmol/l	16 day(s)	Daphnia magna		Fresh water	Experimental valu Growth
Toxicity aquatic micro- organisms	Toxicity threshold	Equivalent to DIN 38412/8	1050 mg/l	16 h	Pseudomonas putida	Static system	Fresh water	Experimental valu Toxicity test
	EC50	ISO 8192	41676 mg/l	30 minutes	Activated sludge			Experimental valu
cetone								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
Acute toxicity fishes	LC50	EU Method C.1	5540 mg/l	96 h	Salmo gairdneri	Static system		Experimental valu Nominal concentration
Acute toxicity crustacea	LC50	Other	12600 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental valu Nominal
Toxicity algae and other aquatic plants	EC50		> 7000 mg/l	96 h	Selenastrum capricornutum	Static system	Fresh water	concentration Experimental valu Nominal
Long-term toxicity aquatic crustacea	NOEC	Equivalent to OECD 211	2212 mg/l	28 day(s)	Daphnia magna	Flow- through system	Fresh water	concentration Experimental valu
<u>hexane</u>		·						
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
Acute toxicity fishes	LL50		12.51 mg/l	96 h	Oncorhynchus mykiss		Fresh water	Estimated value; Nominal concentration
Acute toxicity crustacea	EL50		21.85 mg/l	48 h	Daphnia magna		Fresh water	Estimated value; Nominal concentration
Toxicity algae and other aquatic plants	EL50		9.285 mg/l	72 h	Pseudokirchneri ella subcapitata		Fresh water	Estimated value; Growth rate
Long-term toxicity fish	NOELR		2.8 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	Estimated value; Nominal concentration
Long-term toxicity aquatic	NOELR		4.888 mg/l	21 day(s)	Daphnia magna		Fresh water	Estimated value; Nominal

Reason for revision: 3.2; 5; 15

Publication date: 2003-06-03 Date of revision: 2019-05-07

Revision number: 0801

Product number: 39753

	Parameter	Method	Value	Duration	Species		Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Equivalent to OECD 203	4.53 mg/l	96 h	Pimephales promelas	Flow- through system	Fresh water	Experimental value; Measured concentration
Acute toxicity crustacea	EC50	Equivalent to OECD 202	0.9 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	ErC50	Equivalent to OECD 201	9.317 mg/l	72 h	Pseudokirchneri ella subcapitata			Experimental value; GLP
	NOEC	OECD 201	0.94 mg/l	72 h	Pseudokirchneri ella subcapitata			Experimental value; Growth rate
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea								Data waiving
Toxicity aquatic micro- organisms	IC50		29 mg/l	15 h	Aerobic micro- organisms			Experimental value; Nominal concentration

Conclusion

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Biodegradation water	pdegradation water								
Method	Value	Duration	Value determination						
OECD 301F: Manometric Respirometry Test	98 %; GLP	28 day(s)	Read-across						

propan-2-ol

iodegradation water	Jegradation water								
Method	Value	Duration	Value determination						
OECD 301E: Modified OECD Screening Test	95 %	21 day(s)	Experimental value						
hototransformation air (DT50 air)									
Method	Value	Conc. OH-radicals	Value determination						
AOPWIN v1.92	17.668 h	1500000 /cm³	Calculated value						

<u>acetone</u>

В	Biodegradation water								
	Method	Value	Duration	Value determination					
	OECD 301B: CO2 Evolution Test	90.9 %	28 day(s)	Experimental value					
n h	ayana								

<u>n-hexane</u> Biodegradation wate

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	98 %: GLP	28 day(s)	Read-across
odegradation soil			
Method	Value	Duration	Value determination
			Data waiving

cyclohexane Biodegradation water

	Method	Value	Duration	Value determination
	OECD 301F: Manometric Respirometry Test	77 %; GLP	28 day(s)	Experimental value
н	alf-life soil (t1/2 soil)		•	
	Method		Primary degradation/mineralisation	Value determination

Conclusion

Does not contain any not readily biodegradable component(s)

12.3. Bioaccumulative potential

KLEENSPRAY S

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

Reason for revision: 3.2; 5; 15

Method		Remark	()	v	/alue			Tempera	ature		Va	lue determination
				4	- 5.7							
opan-2-ol				_				_			_	
Log Kow Method		Remark			/alue			Tempera	-		Va	lue determination
Method		Remark			0.05			25 °C	ature			eight of evidence app
etone								23 0				
BCF fishes												
Parameter	Method		Value	C	Duration		Species	;				Value determination
BCF BCF other aquation	c organisms		0.69				Pisces					
Parameter	Method		Value	C	Ouration		Species					Value determination
BCF	BCFWIN		3									Calculated value
Log Kow								_				
Method		Remark	1		/alue			Tempera	ature		_	lue determination
hexane				-(0.24						lles	st data
BCF fishes												
Parameter	Method		Value	C	Ouration		Species	;				Value determination
BCF	Other		501.187				Pimeph	ales prom	elas			QSAR
Log Kow				i.				-				
Method Equivalent to O		Remark		4	/alue			Tempera 20 °C	ature		_	lue determination
clohexane				4	r			120 0			나	
BCF fishes												
Parameter	Method		Value	C	Ouration		Species					Value determination
BCF			167				Pimeph	ales prom	elas			QSAR
Log Kow Method		Remark		h	/alue			Tempera	aturo		Va	lue determination
Other		Nemark			.44			25 °C	ature		_	perimental value
ontains bioaccum 4. Mobility in rdrocarbons, C7-C	soil 29, n-alkanes, iso		s, cyclics					23 0				Jerimental value
ontains bioaccum 4. Mobility in <u>vdrocarbons, C7-C</u> Percent distribut	soil 29, n-alkanes, iso ion	balkanes				Fraction	soil		water	Value det		
clusion ontains bioaccum 4. Mobility in rdrocarbons, C7-C Percent distribut Method	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent	Fraction	soil	Fraction	water	Value det	ermin	ation
ontains bioaccum 4. Mobility in <u>vdrocarbons, C7-C</u> Percent distribut	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l		Fractic	on ent	Fraction 26.4 %	soil		water	Value det	ermin	ation
4. Mobility in drocarbons, C7-C Percent distributi Method Mackay level III	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent		soil	Fraction	water		ermin	ation
4. Mobility in drocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent	26.4 %	soil	Fraction	water		ermin I value	ation
4. Mobility in drocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent Methoc	26.4 %		Fraction		Calculated	ermin I value	ation e
A. Mobility in rdrocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc hexane	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent Methoc	26.4 %		Fraction	Value	Calculated	ermin I value	ation e /alue determination
4. Mobility in drocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent Methoc	26.4 %		Fraction	Value	Calculated	ermin I value	ation e /alue determination
A. Mobility in rdrocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc hexane (log) Koc	soil C9, n-alkanes, isc ion Fraction air	oalkane: r l	Fraction biota	Fractic	on ent , Methoc SRC PCK	26.4 %		Fraction	Value 0.185 -	Calculated	ermin I value V C V	e 2 /alue determination Calculated value
4. Mobility in rdrocarbons, C7-C Percent distributi Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Parameter log Koc Parameter log Koc	soil C9, n-alkanes, iso ion Fraction air 14.6 % 		Fraction biota	Fractic sedime 55.6 %	on ent Methoc SRC PCk	26.4 %	2.0	Fraction 3.4 %	Value 0.185 - Value 3.34	Calculated	ermin I value C V C	e /alue determination alculated value /alue determination 2SAR
A. Mobility in rdrocarbons, C7-C Percent distributi Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Parameter log Koc Percent distributi Method	soil C9, n-alkanes, isc ion I14.6 % I00 Fraction air I00 Fraction air I00 Fraction air	r I	Fraction biota 0% Fraction biota	Fractic sedime 55.6 %	on ent Methoc SRC PCk	26.4 %	2.0	Fraction 3.4 % Fraction Fraction	Value 0.185 - Value 3.34	0.541	ermin I value C C ermin	e /alue determination alculated value /alue determination 2SAR
4. Mobility in drocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Percent distributi Method Mackay level III	soil C9, n-alkanes, isc ion I14.6 % I00 Fraction air I00 Fraction air I00 Fraction air	r I	Fraction biota	Fractic sedime 55.6 %	on ent Methoc SRC PCk	26.4 %	2.0	Fraction 3.4 %	Value 0.185 - Value 3.34	Calculated	ermin I value C C ermin	e /alue determination alculated value /alue determination 2SAR
A. Mobility in rdrocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Percent distributi Method Mackay level III clohexane	soil C9, n-alkanes, isc ion I14.6 % I00 Fraction air I00 Fraction air I00 Fraction air	r I	Fraction biota 0% Fraction biota	Fractic sedime 55.6 %	on ent Methoc SRC PCk	26.4 %	2.0	Fraction 3.4 % Fraction Fraction	Value 0.185 - Value 3.34	0.541	ermin I value C C ermin	e /alue determination alculated value /alue determination 2SAR
4. Mobility in drocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Percent distributi Method Mackay level III	soil C9, n-alkanes, isc ion I14.6 % I00 Fraction air I00 Fraction air I00 Fraction air	r I	Fraction biota 0% Fraction biota	Fractic sedime 55.6 %	on ent Methoc SRC PCk	26.4 %	2.0	Fraction 3.4 % Fraction Fraction	Value 0.185 - Value 3.34	0.541	value V C V V V	e /alue determination alculated value /alue determination 2SAR
A. Mobility in rdrocarbons, C7-C Percent distributi Method Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Percent distributi Method Mackay level III clohexane	soil C9, n-alkanes, isc ion I14.6 % I00 Fraction air I00 Fraction air I00 Fraction air	r I	Fraction biota 0% Fraction biota	Fractic sedime 55.6 %	on ent Methoc SRC PCk	26.4 %	2.0	Fraction 3.4 % Fraction Fraction	Value 0.185 - Value 3.34	0.541	ermin I value C C ermin	e /alue determination alculated value /alue determination 2SAR
A. Mobility in drocarbons, C7-C Percent distributi Mathod Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc Percent distributi Mathod Mackay level III clohexane (log) Koc Parameter log Koc Parameter log Koc Parameter log Koc	soil C9, n-alkanes, isc ion I4.6 % I4.6 % I91.6 %		Fraction biota 0% Fraction biota 00%	Fractic sedime 55.6 %	on ent SRC PCK Methoc Nethoc	26.4 %	2.0	Fraction 3.4 % Fraction Fraction	Value 0.185 - Value 3.34 water	0.541	value V C V C V V V V V V V V	e /alue determination Calculated value /alue determination QSAR ation e
4. Mobility in drocarbons, C7-C Percent distributi Mathod Mackay level III opan-2-ol (log) Koc Parameter log Koc Parameter log Koc Percent distributi Mathod Mackay level III clohexane (log) Koc Parameter log Koc Parameter log Koc	soil C9, n-alkanes, isc ion Fraction air 14.6 % ion in Fraction air ion	r I r I () (s) into tial for r 3 asse :	Fraction biota 0% Fraction biota 0% Fraction biota 0% the soil mobility in the so ssment	Fractic sedime 55.6 % Fractic sedime 0.7 %	on ent SRC PCk Methoc on ent	26.4 %	2.0 soil	Fraction 3.4 % Fraction 4.9 %	Value 0.185 - 3.34 water 2.89	Calculated	ermin l value V C C ermin l value	ation at

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

Ozone-depleting potential (ODP)

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

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Groundwater

Groundwater pollutant

<u>propan-2-ol</u>

Groundwater

Groundwater pollutant

cyclohexane Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

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

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

20 01 29* (separately collected fractions (except 15 01): detergents containing hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

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

13.1.3 Packaging/Container

European Union

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

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

SECTION 14: Transport information

Road (ADR)

1	4.1		N	n	In	nł	าค	r

UN number	1993			
14.2. UN proper shipping name				
Proper shipping name	Flammable liquid, n.o.s. (hydrocarbons, C7-C9, n-alkanes, isoalkanes,			
	cyclics)			
14.3. Transport hazard class(es)				
Hazard identification number	33			
Class	3			
Classification code	F1			
14.4. Packing group				
Packing group	II			
Labels	3			
14.5. Environmental hazards	·			
Environmentally hazardous substance mark	yes			
14.6. Special precautions for user				
Special provisions	274			
Special provisions	601			
Special provisions	640D			
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for			
	liquids. A package shall not weigh more than 30 kg. (gross mass)			

Rail (RID)

5,
s)
nable liquid, n.o.s. (hydrocarbons, C7-C9, n-alkanes, isoalkanes,

Reason for revision: 3.2; 5; 15

Labels	3
4.5. Environmental hazards	
Environmentally hazardous substance mark	yes
4.6. Special precautions for user	
Special provisions	274
Special provisions	601
Special provisions	640D
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

UN number	1993
4.2. UN proper shipping name	1000
Proper shipping name	Flammable liquid, n.o.s. (hydrocarbons, C7-C9, n-alkanes, isoalkanes,
	cyclics)
4.3. Transport hazard class(es)	
Class	3
Classification code	F1
4. <u>4. Packing group</u>	
Packing group	Ш
Labels	3
4.5. Environmental hazards	
Environmentally hazardous substance mark	yes
4.6. Special precautions for user	
Special provisions	274
Special provisions	601
Special provisions	640D
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

1993
flammable liquid, n.o.s. (hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)
3
Ш
3
Ρ
yes
274
Combination packagings: not more than 1 liter per inner packaging for
liquids. A package shall not weigh more than 30 kg. (gross mass)
C Code
Not applicable, based on available data

Air (ICAO-TI/IATA-DGR)

UN number	1993
I4. <u>2. UN proper shipping name</u>	
Proper shipping name	Flammable liquid, n.o.s. (hydrocarbons, C7-C9, n-alkanes, isoalkanes,
	cyclics)
14.3. Transport hazard class(es)	
Class	3
L4.4. Packing group	
Packing group	Ш
Labels	3
L4.5. Environmental hazards	
Environmentally hazardous substance mark	yes
14.6. Special precautions for user	
Special provisions	A3
Passenger and cargo transport	
Limited quantities: maximum net quantity per packaging	1L

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
100.00 %	
730.000 g/l	

Ingredients according to Regulation (EC) No 648/2004 and amendments

≥30% aliphatic hydrocarbons

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, C7-C9, n-alkanes, soalkanes, cyclics propan-2-ol acetone n-hexane cyclohexane	Substances or of the mixture 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: (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.	 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,
hydrocarbons, C7-C9, n-alkanes, soalkanes, cyclics propan-2-ol acetone n-hexane cyclohexane	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.	 Shall not be used, as substance or as mixtures in aerosol dispensers where these aeros dispensers are intended for supply to the general public for entertainment and decorativ purposes such as the following: metallic glitter intended mainly for decoration, artificial snow and frost, "whoopee" cushions, silly string aerosols, mitation excrement, horns for parties, actificial cobwebs, sting at cobwebs, artificial cobwebs, sting at a cobwebs, sting 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, legit and elibly with: "For professional users only". 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. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

Reason for revision: 3.2; 5; 15

	2 3 4 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	 baragraph 1 shall not be placed on the market for supply to the general public after 27 becember 2010. becember 2010.			
<u>National legislation Belgium</u> <u>KLEENSPRAY S</u> No data available					
National legislation The Netherland <u>KLEENSPRAY S</u>	<u>15</u>				
Waterbezwaarlijkheid n-hexane					
SZW - Lijst van voor de voortplanting giftige stoffen (vruchtbaarheid)	n-Hexaan; 2; Suspected of damaging fertility.				
<u>National legislation France</u> <u>KLEENSPRAY S</u> No data available <u>n-hexane</u>					
Catégorie toxique pour la reproduction	n-Hexane; R2				
National legislation Germany <u>KLEENSPRAY S</u>					
WGK		g mit wassergefährdenden Stoffen (AwSV) - 18. April 2017			
hydrocarbons, C7-C9, n-alkanes,					
TA-Luft	5.2.5/I				
propan-2-ol					
TA-Luft	5.2.5				
TRGS900 - Risiko der	Propan-2-ol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden				
Fruchtschädigung acetone	Grenzwertes nicht befürchtet zu werden				
TA-Luft	5.2.5				
TRGS900 - Risiko der		aucht hei Finheltung des Arbeitssletzgrenzugetes und des hielegischen			
Fruchtschädigung	Aceton; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden				
n-hexane	Grenzwertes ment berurentet zu werden				
TA-Luft	5.2.5/1				
TRGS900 - Risiko der		praucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen			
Fruchtschädigung	Grenzwertes nicht befürchtet zu werden				
cyclohexane					
TA-Luft	5.2.5/I				
National legislation United Kingdor					

KLEENSPRAY S

No data available

Other relevant data

No data available					
propan-2-ol					
IARC - classification	3; Isopropanol				
TLV - Carcinogen	2-propanol; A4				
acetone					
TLV - Carcinogen	Acetone; A4				
n-hexane					
Skin absorption	n-Hexane; Skin; Danger of cutaneous absorption				
•					

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Reason for revision: 3.2; 5; 15

H361f Suspected of damaging fertility.

H373 May cause damage to organs (central nervous system) through prolonged or repeated exposure if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

cyclohexane		1	Acute	ECHA			
factor							
vPvB	very Persistent & very Bioaccumulative						
STP	Sludge Treatment Process						
PNEC	Predicted No Effect Concentration						
PBT	Persistent, Bioaccumulative & Toxic						
OECD	Organisation for Economic Co-operation and Development						
NOEC	No Observed Effect Concentration						
NOAEL	No Observed Adverse Effect Level						
LD50	Lethal Dose 50 %						
LC50	Lethal Concentration 50 %						
ErC50	EC50 in terms of reduction of growth rate						
EC50	Effect Concentration 50 %						
DNEL	Derived No Effect Level						
DMEL	Derived Minimal Effect Level						
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)						
AOEL	Acceptable operator exposure level						
ADI	Acceptable daily intake						
(*)	INTERNAL CLASSIFICATION BY BIG						

Specific concentration limits CLP									
-		C≥5%		CLP Annex VI (ATP 0)					

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Reason for revision: 3.2; 5; 15

Publication date: 2003-06-03 Date of revision: 2019-05-07

Revision number: 0801

Product number: 39753