SAFETY DATA SHEET

novatio

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

NOVALUBE CERAMIC H1 AEROSOL

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

1.1. Product identifier

Product name **Registration number REACH** Product type REACH

: NOVALUBE CERAMIC H1 AEROSOL

: Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses Lubricant

1.2.2 Uses advised against

No uses advised against

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 **i ⊟** +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			
Aerosol	category 1	H222: Extremely flammable aerosol.			
Aerosol	category 1	H229: Pressurised container: May burst if heated.			
Skin Irrit.	category 2	H315: Causes skin irritation.			
Eye Irrit.	category 2	H319: Causes serious eye irritation.			
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.			

2.2. Label elements

Signal word	Danger		
H-statements			
H222	Extremely flammable aerosol.		
H229	Pressurised container: May burst if heated.		
H315	Causes skin irritation.		
H319	Causes serious eye irritation.		
H412	Harmful to aquatic life with long lasting effects.		
P-statements			
P210	Keep away from heat, hot surfaces, sparks, op	en flames and other ignition sources. No smoking.	
P211	Do not spray on an open flame or other ignition	n source.	
P251	Do not pierce or burn, even after use.		
Created by: Brandweerinformation	ecentrum voor gevaarlijke stoffen vzw (BIG)	Publication date: 2010-07-15	-en
Technische Schoolstraat 43 A, B-2 http://www.big.be © BIG vzw	2440 Geel	Date of revision: 2022-07-30	16239-034-en

878-

P280 P305 + P351 + P338

Wear protective gloves, protective clothing and eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410 + P412

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F.

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	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
propane 01-2119486944-21	74-98-6 200-827-9	25% ≤C≤50%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant	
butane 01-2119474691-32	106-97-8 203-448-7	25% ≤C≤50%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)(21)	Propellant	
naphtha (petroleum), hydrotreated light 01-2119475133-43	64742-49-0 265-151-9	10% ≤C≤18%	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(2)(10)	Constituent	
calcium dihydroxide 01-2119475151-45	1305-62-0 215-137-3	C<3%	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335	(1)(2)	Constituent	
propan-2-ol 01-2119457558-25	67-63-0 200-661-7	C≤1.1%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent	

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

(2) Substance with a Community workplace exposure limit

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

(21) 1,3-butadiene < 0.1%

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: Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

After skin contact:

Tingling/irritation of the skin.

After eye contact:

Irritation of the eye tissue.

After ingestion: No effects known.

4.2.2 Delayed symptoms

No effects known.

Reason for revision: 3;9;12

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: Water, Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher. Major fire: Quantities of water.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed. Pressurised container: May burst if heated.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. 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

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 section 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

Dam up the liquid spill. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into inert 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 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

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

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

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents.

- 7.2.3 Suitable packaging material:
 - Aerosol.

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

Reason for revision: 3;9;12

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.

EU Calcium dihydroxide 1 mg/m³ (2) Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) Short time value (Indicative occupational exposure limit value) 4 mg/m³ (2) (2): Respirable fraction Belgium Alcool isopropylique Time-weighted average exposure limit 8 h 200 ppm Time-weighted average exposure limit 8 h 500 mg/m³ Short time value 400 ppm 1000 mg/m³ Short time value Butane, tous isomères: n-butane 980 ppm Short time value Short time value 2370 mg/m³ Time-weighted average exposure limit 8 h Calcium (dihydroxyde de) (fraction alvéolaire) 1 mg/m³ 4 mg/m³ Short time value Huiles minérales (brouillards) 5 mg/m³ Time-weighted average exposure limit 8 h Short time value 10 mg/m³ Hydrocarbures aliphatiques sous forme gazeuse: Time-weighted average exposure limit 8 h 1000 ppm (Alcanes C1-C3) The Netherlands Calcium-dihydroxide Time-weighted average exposure limit 8 h (Public occupational exposure 0.33 ppm limit value) Time-weighted average exposure limit 8 h (Public occupational exposure 1 mg/m³ limit value) Short time value (Public occupational exposure limit value) 1.3 ppm Short time value (Public occupational exposure limit value) 4 mg/m³ Olienevel (minerale olie) Time-weighted average exposure limit 8 h (Public occupational exposure 5 mg/m³ limit value) France Alcool isopropylique Short time value (VL: Valeur non réglementaire indicative) 400 ppm Short time value (VL: Valeur non réglementaire indicative) 980 mg/m³ Calcium (hydroxyde de) fraction alvéolaire Time-weighted average exposure limit 8 h (VL: Valeur non 1 mg/m³ réglementaire indicative) Short time value 4 mg/m³ n-Butane Time-weighted average exposure limit 8 h (VL: Valeur non 800 ppm réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non 1900 mg/m³ réglementaire indicative) Germany Butan 1000 ppm Time-weighted average exposure limit 8 h (TRGS 900) Time-weighted average exposure limit 8 h (TRGS 900) 2400 mg/m³ Calciumdihydroxid Time-weighted average exposure limit 8 h (TRGS 900) 1 mg/m³ Propan Time-weighted average exposure limit 8 h (TRGS 900) 1000 ppm 1800 mg/m³ Time-weighted average exposure limit 8 h (TRGS 900) Propan-2-ol 200 ppm Time-weighted average exposure limit 8 h (TRGS 900) Time-weighted average exposure limit 8 h (TRGS 900) 500 mg/m³ Austria 2-Propanol Kurzzeitwert für Großguss Tagesmittelwert (MAK) 200 ppm Fagesmittelwert (MAK) 500 mg/m³ Kurzzeitwert 30(Miw) 4x (MAK) 800 ppm Kurzzeitwert 30(Miw) 4x (MAK) 2000 mg/m³ 2-Propanol Tagesmittelwert (MAK) 200 ppm Tagesmittelwert (MAK) 500 mg/m³ Kurzzeitwert 15(Miw) 4x (MAK) 800 ppm Kurzzeitwert 15(Miw) 4x (MAK) 2000 mg/m³ Butan (beide Isomeren): n-Butan (R 600) Isobutan (R 800 ppm Tagesmittelwert (MAK) 600a)

Reason for revision: 3;9;12

Butan (beide Isomeren): n-Buta 600a)	an (R 600) Isobutan (R	Tagesmittelwert (MAK)		1900 mg/m
600a;		Kurzzeitwert 60(Mow)	3x (MAK)		1600 ppm
		Kurzzeitwert 60(Mow)	3x (MAK)		3800 mg/n
Calciumdihydroxid		Tagesmittelwert (MAK)		1 mg/m ³
		Kurzzeitwert 5(Mow) 8			4 mg/m ³
Propan (R 290)		Tagesmittelwert (MAK)		1000 ppm
		Tagesmittelwert (MAK			1800 mg/n
		Kurzzeitwert 60(Mow)	3x (MAK)		2000 ppm
		Kurzzeitwert 60(Mow)	3x (MAK)		3600 mg/r
υк					
Butane		Time-weighted average (EH40/2005))	e exposure limit 8 h (Work	place exposure limit	600 ppm
		Time-weighted average (EH40/2005))	e exposure limit 8 h (Work	place exposure limit	1450 mg/n
		Short time value (Worl	place exposure limit (EH4	0/2005))	750 ppm
		Short time value (Work	place exposure limit (EH4	0/2005))	1810 mg/n
Calcium hydroxide (Respirable	fraction)	(EH40/2005))	e exposure limit 8 h (Work	· ·	1 mg/m ³
<u></u>			place exposure limit (EH4		4 mg/m ³
Calcium hydroxide		Time-weighted average (EH40/2005))	e exposure limit 8 h (Work	place exposure limit	5 mg/m³
Propan-2-ol			e exposure limit 8 h (Work	place exposure limit	400 ppm
		<u>, , , , , , , , , , , , , , , , , , , </u>	Time-weighted average exposure limit 8 h (Workplace exposure limit		
			place exposure limit (EH4	0/2005))	500 ppm
		Short time value (Work	place exposure limit (EH4	0/2005))	1250 mg/n
USA (TLV-ACGIH)					
2-propanol		Time-weighted average	e exposure limit 8 h (TLV -	Adopted Value)	200 ppm
		Short time value (TLV -		,	400 ppm
Butane, isomers		Short time value (TLV - Adopted Value)			1000 ppm
Calcium hydroxide		Time-weighted average exposure limit 8 h (TLV - Adopted Value)			5 mg/m ³
Mineral oil, excluding metal we and severely refined	orking fluids: Pure, highly	Time-weighted average exposure limit 8 h (TLV - Adopted Value)			5 mg/m³ (I
(I): Inhalable fraction		•			
b) National biological limit values If limit values are applicable and a		below.			
Germany					
Propan-2-ol (Aceton)	· · · · · · · · · · · · · · · · · · ·	de, bzw. schichtende	25 mg/l		
Propan-2-ol (Aceton)	Vollblut: exposition	sende, bzw. schichtende	25 mg/l		
USA (BEI-ACGIH)					
2-Propanol (Acetone)	Urine: end of shift a	at end of workweek	40 mg/L	Background, Nonsp	ecific
2 Sampling methods Product name		Test	Number		
Calciumdihydroxide		NIOSH	7020		
Isopropanol (Volatile Organic com	pounds)	NIOSH	2549		
Isopropyl Alcohol (Alcohols I)		NIOSH	1400		
Isopropyl Alcohol		OSHA	109		
Oil Mist (Mineral)		NIOSH	5026		
3 Applicable limit values when us					
If limit values are applicable a 4 Threshold values <u>DNEL/DMEL - Workers</u> naphtha (petroleum), hydrotreate		e listed below.			
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Acute systemic effect	ts inhalation	1286.4 mg/m ³		
	Long-term local effec	ts inhalation	837.5 mg/m ³		
	Acute local effects in	halation	1066.67 mg/m ³		
calcium dihydroxide					
Effect level (DNEL/DMEL)	Туре		Value	Remark	
	Long-term local effec	ts inhalation	1 mg/m³		
DNEL					
	Acute local effects in	halation	4 mg/m ³		

ffect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term sy	stemic effects inhalation	500 mg/m ³	
	Long-term sy	stemic effects dermal	888 mg/kg bw/day	
NEL/DMEL - General populatior aphtha (petroleum), hydrotreate			·	·
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Acute systen	nic effects inhalation	1152 mg/m ³	
	Long-term lo	cal effects inhalation	178.57 mg/m ³	
	Acute local e	ffects inhalation	640 mg/m ³	
<u>ilcium dihydroxide</u>	•			
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term lo	cal effects inhalation	1 mg/m³	
	Acute local e	ffects inhalation	4 mg/m ³	
<u>ropan-2-ol</u>				
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term sy	stemic effects inhalation	89 mg/m³	
	Long-term sy	stemic effects dermal	319 mg/kg bw/day	
	Long-term sy	stemic effects oral	26 mg/kg bw/day	
<u>NEC</u> Ilcium dihydroxide				
Compartments		Value	Remark	
Fresh water		0.49 mg/l		
Fresh water (intermittent releas	ies)	0.49 mg/l		
Marine water		0.32 mg/l		
STP		3 mg/l		
Soil		1080 mg/kg soil dw		
<u>ropan-2-ol</u>				
Compartments		Value	Remark	
Fresh water		140.9 mg/l		
Fresh water (intermittent releases)		140.9 mg/l		
Marine water		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 160 mg/kg food		
Oral				

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

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

8.2.1 Appropriate engineering controls

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

8.2.2 Individual protection measures, such as personal protective equipment

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

a) Respiratory protection:

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
nitrile rubber	> 480 minutes	0.4 mm	Class 6	
butyl/viton	> 480 minutes		Class 6	

c) Eye protection:

Protective goggles (EN 166).

d) Skin protection:

Head/neck 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	Aerosol
Odour	Solvent-like odour
Odour threshold	No data available in the literature

Reason for revision: 3;9;12

Publication date: 2010-07-15 Date of revision: 2022-07-30

Colour	White
Particle size	Not applicable (liquid)
Explosion limits	0.6 vol %
Flammability	Extremely flammable aerosol.
Log Kow	Not applicable (mixture)
Dynamic viscosity	Not applicable (aerosol)
Kinematic viscosity	Not applicable (aerosol)
Melting point	Not applicable (aerosol)
Boiling point	No data available in the literature
Relative vapour density	>1
Vapour pressure	3500 hPa ; Propellant
Solubility	Water ; insoluble
Relative density	1.40 ; 20 °C ; Calculated
Absolute density	1400 kg/m³ ; 20 °C
Decomposition temperature	No data available in the literature
Auto-ignition temperature	No data available in the literature
Flash point	Not applicable (aerosol)
рН	Not applicable (non-soluble in water)

9.2. Other information

No data available

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

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Upon combustion: CO and CO2 are formed.

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

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients naphtha (petroleum), hydrotreated light

LC50

OECD 436

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)	Read-across	
Dermal	LD50	Equivalent to OECD 402	> 2000 mg/kg bw	24 h	Rabbit (male / female)	Read-across	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 5.61 mg/l air	4 h	Rat (male / female)	Read-across	
cium dihydroxide							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 425	> 2000 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	OECD 402	> 2500 mg/kg bw	24 h	Rabbit (male /	Experimental value	

4 h

> 6.04 mg/l

Reason for revision: 3;9;12

Inhalation (dust)

Publication date: 2010-07-15

Experimental value

Date of revision: 2022-07-30

Revision number: 0400

BIG number: 49122

female)

female)

Rat (male /

ropan-2-ol	Demonst	B d a tha d	Value	Fundation dim		Value	Downguil
Route of exposure	Parameter	Method	Value		pecies	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	5840 mg/kg bw	R	lat	Experimental value	
Dermal	LD50	Equivalent to OECD 402	16400 ml/kg bw	24 h R	labbit	Experimental value	
Inhalation (vapour	rs) LC50	Equivalent to OECD 403	> 10000 ppm	-	tat (male / emale)	Experimental value	
lot classified for acute ion/irritation <u>/ALUBE CERAMIC H1</u> No (test)data on the n classification is based	AEROSOL nixture available						
aphtha (petroleum),							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatm
Skin	Irritating	OECD 404	4 h	1; 24; 48; 72; 168 hours	Rabbit	Read-across	1
Inhalation (vapours)	Not irritating		1 h		Human	Experimental value	
alcium dihydroxide		······					·
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage	OECD 405	1 h	1; 24; 48; 72 hours	s Rabbit	Experimental value	
Skin	Irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Inhalation	Irritating; STOT SE cat.3					Literature study	
ropan-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	1 Rabbit	Experimental value	Single treatm without rinsir
Skin	Not irritating		4 h	4; 24; 48; 72 hours	s Rabbit	Experimental value	
nclusion auses skin irritation. Causes serious eye irri Iot classified as irritat atory or skin sensitis:	ing to the respir ation	ratory system					
/ALUBE CERAMIC H1 / No (test)data on the n udgement is based or uaphtha (petroleum),	nixture available the relevant in	gredients					
Route of exposure		Method	Exposure time	Observation time point	Species	Value determinatior	Remark
Skin	Not sensitizing	Equivalent to OECD 406	6 h	24; 48 hours	Guinea pig (male)	Read-across	
alcium dihydroxide							
	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Route of exposure					Mouse (female)	Experimental value	
Skin	Not sensitizing	OECD 429					
		OECD 429 Method	Exposure time	Observation time point	Species	Value determination	Remark

Conclusion

Not classified as sensitizing for skin Not classified as sensitizing for inhalation

Specific target organ toxicity

Reason for revision: 3;9;12

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available Judgement is based on the relevant ingredients naohtha (petroleum). hydrotreated light

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOEL	Subacute toxicity test	< 500 mg/kg bw/day	Kidney	No effect	4 weeks (5 days / week)	Rat (male)	Read-across
Dermal	NOAEL	Equivalent to OECD 453	0.5 ml		No effect		Mouse (male / female)	Read-across
Inhalation (vapours)	NOAEC	Equivalent to OECD 453	1402 mg/m ³ air	General	No effect	107 weeks (6h / day, 5 days / week) - 109 weeks (6h / day, 5 days / week)	Rat (male / female)	Read-across
<u>cium dihydroxide</u>				-				
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 422	1000 mg/kg bw/day		No effect		Rat (male / female)	Experimental value
Dermal								Data waiving
Inhalation (dust)	NOAEC	OECD 412	0.107 mg/l		No effect	2 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value
pan-2-ol								
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 adverse systemic	104 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value

effects Drowsiness,

dizziness

6 h

Rat (male /

female)

Experimental

value

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Inhalation (vapours)

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients naphtha (petroleum), hydrotreated light

Dose level Equivalent to

OECD 403

5000 ppm

Central

nervous

system

Result	Method	Test substrate	Effect	Value determination	Remark			
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value				
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value				
cium dihydroxide								
Result	Method	Test substrate	Effect	Value determination	Remark			
Negative with motabolic	OECD 471	Pactoria (S. tunhimurium		Exportmontal value				

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation		Bacteria (S. typhimurium and E. coli)		Experimental value	
Negative with metabolic activation, negative without metabolic activation	OECD 473	Human lymphocytes		Experimental value	

opan-2-ol	pan-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							

Mutagenicity (in vivo)

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

naphtha (petroleum), hydrotreated light

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Inhalation)	EPA OPPTS	4 weeks (6h / day, 5	Rat (male / female)		Read-across
	870.5395	days / week)			
propan-2-ol					
Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Intraperitoneal)	Equivalent to OECD 474		Mouse (male / female)		Experimental value

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

naphtha (petroleum), hydrotreated light

Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
exposure								
Inhalation (vapours)	Dose level	Equivalent to OECD 451	9869 mg/m³	113 weeks (6h / day, 5 days / week)	Rat (male / female)	No carcinogenic effect		Read-across
Dermal	NOAEL	Equivalent to OECD 451	0.05 ml	102 weeks (3 times / week)	Mouse (male)	No carcinogenic effect		Experimental value

Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
exposure								
Oral (drinking water)	NOAEL	•	2150 mg/kg bw/day - 2280 mg/kg bw/day	104 week(s)	· · ·	No carcinogenic effect		Read-across

propan-2-ol

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

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients naphtha (petroleum), hydrotreated light

nap	ontha (petroleum), hydrotreated light										
		Parameter	Method	Value	Exposure time	Species	Effect	- 0.	Value determination		
	Developmental toxicity (Inhalation (vapours))	NOAEL	Equivalent to OECD 414	23900 mg/m³ air	14 days (6h / day)	Rat	No effect	Foetus	Read-across		
	Maternal toxicity (Dermal)	NOAEL	Equivalent to OECD 414	23900 mg/m³ air	14 day(s)	Rat	No effect		Read-across		
	Effects on fertility (Inhalation (vapours))	NOAEC (P/F1)	Equivalent to OECD 416	≥ 20000 mg/m³ air	10 weeks (6h / day, 7 days / week)	Rat (male / female)	No effect		Experimental value		

Reason for revision: 3;9;12

alcium dihydroxide								
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	≥ 440 mg/kg bw/day	10 days (gestation, daily)	Mouse	No effect		Read-across
Maternal toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	≥ 440 mg/kg bw/day	10 days (gestation, daily)	Mouse	No effect		Read-across
Effects on fertility (Oral (stomach tube))	NOEL	OECD 422	1000 mg/kg bw/day		Rat (male / female)	No effect		Experimental value
ropan-2-ol								
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination

								determination
Developmental toxicity	NOAEL	Equivalent to	400 mg/kg	10 day(s)	Rat	No effect	Foetus	Experimental
(Oral (stomach tube))		OECD 414	bw/day					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	NOAEL	Equivalent to	853 mg/kg		Rat (male /	No effect		Experimental
(drinking water))		OECD 415	bw/day		female)			value

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Chronic effects from short and long-term exposure

NOVALUBE CERAMIC H1 AEROSOL No effects known.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

NOVALUBE CERAMIC H1 AEROSOL

No (test)data on the mixture available

Classification is based on the relevant ingredients naphtha (petroleum), hydrotreated light

	Parameter	Method	Value	Duration	Species		Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	10 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EL50	OECD 202	4.5 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EL50	OECD 201	3.1 mg/l	72 h		Static system	Fresh water	Experimental value; Nominal concentration
Long-term toxicity fish	NOELR	OECD 204	2.6 mg/l	14 day(s)	Pimephales promelas	Semi-static system	Fresh water	Experimental value; Reproduction
Long-term toxicity aquatic crustacea	NOELR	OECD 211	2.6 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction

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	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinatior
Acute toxicity fishes	LC50	OECD 203	50.6 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Experimental value; Lethal
Acute toxicity crustacea	EC50	OECD 202	49.1 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Estimated value
Toxicity algae and other aquatic plants	ErC50	OECD 201	184.57 mg/l	72 h	Pseudokirchneri ella subcapitata	Static system	Fresh water	Experimental value; Nominal concentration
	NOEC	OECD 201	48 mg/l	72 h	Pseudokirchneri ella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea	NOEC		32 mg/l	14 day(s)	Crangon sp.	Semi-static system	Salt water	Experimental value; Growth
Toxicity aquatic micro- organisms	EC50	OECD 209	300.4 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; Respiration
opan-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								Data waiving
Long-term toxicity aquatic crustacea	NOEC		2344 µmol/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

Conclusion

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

naphtha (petroleum), hydrotreated light

Biodegradation water							
Method	Value	Duration	Value determination				
OECD 301F	77.05 %; Oxygen consumption	28 day(s)	Experimental value				
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				

Conclusion

Water

Contains readily biodegradable component(s)

12.3. Bioaccumulative potential

NOVALUBE CERAMIC H1 AEROSOL

Log	Kow
-----	-----

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

naphtha (petroleum), hydrotreated light

BCF fishes

[Parameter	Method		Value	Duration	Species		Value determination
	BCF			12.6 - 223.87;		Pimepha	les promelas	Read-across
				Calculated value				
Lo	Log Kow							
	Method		Remark		Value		Temperature	Value determination
	OECD 117				2.4 - 5.7		23 °C	Experimental value

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calcium dihydroxide

iu		uiii	yuru	<u>AIUC</u>		
σ	ĸ	wc				

Le	Log Kow						
	Method	Remark	Value	Temperature	Value determination		
		No data available					
pro	pan-2-ol						
1.	ng Kow						

Log Kow

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

Conclusion

Contains bioaccumulative component(s)

12.4. Mobility in soil

naphtha (petroleum), hydrotreated light

(og) Koc			
	Parameter	Method	Value	Value determination
	log Koc	SRC PCKOCWIN v2.0	2.380	Calculated value
pro	pan-2-ol			
(og) Koc			

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

Conclusion

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

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

NOVALUBE CERAMIC H1 AEROSOL

Greenhouse gases

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)

Groundwater

Groundwater pollutant

naphtha (petroleum), hydrotreated light

Groundwater Groundwater pollutant

calcium dihydroxide

Water ecotoxicity pH

pH shift

propan-2-ol 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).

16 05 04* (gases in pressure containers and discarded chemicals: gases in pressure containers (including halons) containing hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Specific treatment. 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

Reason for revision: 3;9;12

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

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

SECTION 14: Transport information

Road (ADR)

14.1. UN number	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Hazard identification number	
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14. <u>6. Special precautions for user</u>	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14. <u>1. UN number</u>	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Hazard identification number	23
Class	2
Classification code	5F
14. <u>4. Packing group</u>	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14. <u>1. UN number</u>	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

Reason	for	revision:	3;9;12
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14. <u>1. UN number</u>	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Class	2.1
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Marine pollutant	-
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	277
Special provisions	327
Special provisions	344
Special provisions	381
Special provisions	63
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
L	
14.7. Maritime transport in bulk according to IMO instruments Annex II of MARPOL 73/78	Not applicable
	litor applicable

Air (ICAO-TI/IATA-DGR)

14. <u>1. UN number</u>	
UN number	1950
14. <u>2. UN proper shipping name</u>	
Proper shipping name	aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
14. <mark>4. Packing group</mark>	
Packing group	
Labels	2.1
14. <u>5</u> . Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	A145
Special provisions	A167
Special provisions	A802
Passenger and cargo transport	
Limited quantities: maximum net quantity per packaging	30 kg G

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture <u>European legislation:</u>

VOC content Directive 2010/75/EU

VOC content	Remark
61 % - 86 %	
854 g/l - 1204 g/l	

Directive 2012/18/EU (Seveso III)

Threshold values under normal circumstances				
		Top tier (tonnes)		For this substance or mixture the summation rule has to be applied for:
P3b FLAMMABLE AEROSOLS	5000 (net)	50000 (net)	None	Flammability

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	Conditions of restriction	ſ
	substances or of the mixture		1
 naphtha (petroleum), hydrotreated light 	Liquid substances or mixtures fulfilling the	1. Shall not be used in:	1
· propan-2-ol	criteria for any of the following hazard classes	 ornamental articles intended to produce light or colour effects by means of different 	1
	or categories set out in Annex I to Regulation	phases, for example in ornamental lamps and ashtrays,	l
	(EC) No 1272/2008:	 tricks and jokes, 	l
	(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8	- games for one or more participants, or any article intended to be used as such, even with	l
	types A and B, 2.9, 2.10, 2.12, 2.13 categories	ornamental aspects,	

Reason for revision: 3;9;12

	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.	 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: can be used as fuel in decorative oil lamps for supply to the general public, and, present an aspiration hazard and are labelled with 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) adopt by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to th classification, packaging and labelling of dangerous substances and mixtures, supplies the sure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legit 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 legi 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 legi and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to lighter may lead to lighters, labelled with H304, intended for supply to the general public are legi and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to lighter may lead to lighters, labelled with H304, intended for supply to the general public are legi and indelibly marked by 1 December 2010 as follows: "Just a sip of gr
naphtha (petroleum), hydrotreated light propan-2-ol	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 decorative purposes such as the following: metallic glitter intended mainly for decoration, artificial snow and frost, "whoopee" cushions, silly string aerosols, imitation excrement, horns for parties, decorative flakes and foams, artificial cobwebs, stink bombs. 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, legib and indelibly 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.
naphtha (petroleum), hydrotreated light propan-2-ol	Substances falling within one or more of the following points: (a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008: — 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 — 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 or 1B — skin corrosive category 1 or eye irritant category 2 (b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council (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 Annex. 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.	

No data available

Reason for revision: 3;9;12

Publication date: 2010-07-15 Date of revision: 2022-07-30

Revision number: 0400

NI/

(Co	ents cancérigènes, utagènes et reprotoxiques ode du bien-être au travail,	alcool isopropylique; VI.2.2.; Liste des procédés au cours desquels une substance ou un mélange se dégage; Procé l'acide fort dans la fabrication d'alcool isopropylique.
	re VI, titre 2)	de la construcción de la
NO	VALUBE CERAMIC H1 AEROS	<u>50L</u>
	aterbezwaarlijkheid	A (3); Algemene Beoordelingsmethodiek (ABM)
NO	Il legislation France VALUBE CERAMIC H1 AEROS o data available	SOL
Nationa	I legislation Germany	
	VALUBE CERAMIC H1 AEROS gerklasse (TRGS510)	2B: Aerosolpackungen und Feuerzeuge
W	GK	3; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017
	htha (petroleum), hydrotrea	
	-Luft ium dihydroxide	5.2.5/I
TA	-Luft	5.2.1
	GS900 - Risiko der	Calciumdihydroxid; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
	uchtschädigung <u>pan-2-ol</u>	
	-Luft	5.2.5
	GS900 - Risiko der uchtschädigung	Propan-2-ol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologisch Grenzwertes nicht befürchtet zu werden
	Il legislation Austria VALUBE CERAMIC H1 AEROS	50L
	o data available	—
N		
Nationa	Il legislation United Kingdo VALUBE CERAMIC H1 AEROS	<u>m</u> SOL
No	o data available	
Otherw		
	<u>elevant data</u> VALUBE CERAMIC H1 AEROS	<u>50L</u>
No	o data available	
napł	htha (petroleum), hydrotrea	ited light
napł TĽ	htha (petroleum), hydrotrea V - Carcinogen	nted light Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4
naph TL prop	htha (petroleum), hydrotrea V - Carcinogen pan-2-ol	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4
napł TL prop	htha (petroleum), hydrotrea V - Carcinogen	
napł TL prop IAI TL	htha (petroleum), hydrotrea V - Carcinogen <u>pan-2-ol</u> RC - classification V - Carcinogen	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4
napl TL prop IAI TL	htha (petroleum), hydrotree V - Carcinogen Dan-2-ol RC - classification V - Carcinogen emical safety assessme	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4
napl TL prop [A] TL 5.2. Che No c	htha (petroleum), hydrotrea V - Carcinogen pan-2-ol RC - classification V - Carcinogen emical safety assessment	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture.
napl TL prop [A] TL 5.2. Che No c	htha (petroleum), hydrotree V - Carcinogen Dan-2-ol RC - classification V - Carcinogen emical safety assessme	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture.
napi TL prop IAI TL 5.2. Che No c TON 1 Full text	htha (petroleum), hydrotree V - Carcinogen Dan-2-ol RC - classification V - Carcinogen emical safety assessment themical safety assessment Chemical safety assessment Chemical safety assessment tof any H- and EUH-statem	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture. nation ents referred to under section 3:
napl TL' prog IAI TL' 5.2. Che No c Full text H220	htha (petroleum), hydrotrea V - Carcinogen ban-2-ol RC - classification V - Carcinogen emical safety assessment themical safety assessment 16: Other inform t of any H- and EUH-statem 0 Extremely flammable gas	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture. nation ents referred to under section 3: 5.
napi TĽ prop IAI TĽ 5.2. Che No c Full text H220 H221	htha (petroleum), hydrotree V - Carcinogen Dan-2-ol RC - classification V - Carcinogen emical safety assessment themical safety assessment Chemical safety assessment Chemical safety assessment tof any H- and EUH-statem	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture. nation ents referred to under section 3: s. rosol.
napi TL' prop IAI TL' 5.2. Che No c Full text H221 H221 H221 H221 H221	htha (petroleum), hydrotrea V - Carcinogen aan-2-ol RC - classification V - Carcinogen emical safety assessment themical safety assessment 16: Other inform t of any H- and EUH-statem 0 Extremely flammable gas 2 Extremely flammable aei 5 Highly flammable liquid a 9 Pressurised container: M	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture. nation ents referred to under section 3: s. rosol. and vapour. lay burst if heated.
napi TL' prop IAI Full Full text H222 H222 H222 H222 H228	htha (petroleum), hydrotrea V - Carcinogen aan-2-ol RC - classification V - Carcinogen emical safety assessment tof any H- and EUH-statem 0 Extremely flammable gas 2 Extremely flammable aei 5 Highly flammable liquid a 9 Pressurised container: M 0 Contains gas under press	Mineral oil, excluding metal working fluids: Pure, highly and severely refined; A4 3; Isopropanol 2-propanol; A4 ent has been conducted for the mixture. nation ents referred to under section 3: s. rosol. and vapour. lay burst if heated. sure; may explode if heated.
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LD50	Lethal Dose 50 %
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

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Reason for revision: 3;9;12