

Light Bond Adhesive Paste Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 2/12/2018 Version: 3

1.1. Product identifier	he substance/mixture and of the company/undertaking
Product form	: Mixture
Product name	: Light Bond Adhesive Paste with and without Fluoride
.2. Relevant identified uses of t	he substance or mixture and uses advised against
I.2.1. Relevant identified uses	
Jse of the substance/mixture	: For RX only
1.2.2. Uses advised against	
1.2.2. Uses advised against No additional information available	
1.3. Details of the supplier of the	safety data sheet
Manufacturer:	
Reliance Orthodontic Products, Inc. 154	0 West Thorndale Ave.
Itasca, IL 60143 USA 630-773-4009, during normal business h	lours
www.relianceorthodontics.com	
EC Representative:	
Emergo Europe, Prinsessgracht 20	
2514 AP The Hague, The Netherlands	
Australian Sponsor: Emergo Australia	, 201 Sussex St.
Darling Park, Tower II, Level 20 Sydney, NSW 2000 Australia	
1.4. Emergency telephone numb	
Emergency number	 CHEMTREC - 24-Hour Hazmat Emergency Communications Center Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted
SECTION 2: Hazards identification	
2.1. Classification of the substar	ice or mixture
Classification according to Regulation	n (EC) No. 1272/2008 [CLP]
Skin corrosion/irritation, Category 2	H315
Skin sensitisation, Category 1	H317
Full text of H statements : see section 16	3
Adverse physicochemical, human hea	alth and environmental effects
Causes skin irritation. May cause an alle	argic skin reaction.
2.2. Label elements	
Labelling according to Regulation (EC lazard pictograms (CLP)	5) NO. 12/2/2008 [CLP]
	GHS07
ignal word (CLP)	
	: Warning
lazardous ingredients	
lazardous ingredients	: Warning : BisGMA; Proprietary
lazardous ingredients lazard statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours
lazardous ingredients lazard statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling
lazardous ingredients lazard statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours
lazardous ingredients lazard statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear face protection, eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water
Signal word (CLP) lazardous ingredients lazard statements (CLP) Precautionary statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear face protection, eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P321 - Specific treatment (see First aid measures on this label)
lazardous ingredients lazard statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear face protection, eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water
lazardous ingredients lazard statements (CLP)	 Warning BisGMA; Proprietary H315 - Causes skin irritation H317 - May cause an allergic skin reaction P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear face protection, eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P321 - Specific treatment (see First aid measures on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention

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accordance with local, regional, national and/or international regulation, a licensed hazardouswaste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste, a hazardous or special waste collection point.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

ame	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fused Silica	(CAS-No.) 60675-86-0	50 - 80	Skin Irrit. 2, H315
Urethane Dimethacrylate	(CAS-No.) Proprietary	5 - 10	Eye Irrit. 2, H319 STOT SE 3, H336
BisGMA	(CAS-No.) 1565-94-2	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Proprietary	(CAS-No.) Proprietary (EC-No.) Proprietary	1 - 5	Skin Sens. 1B, H317
Sodium Fluoride	(CAS-No.) 7681-49-4 (EC-No.) 231-667-8 (EC Index-No.) 009-004-00-7	< 1	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Acetic Acid substance with a Community workplace exposure limit	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6	< 0.01	Flam. Liq. 3, H226 Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Acetic Acid	(CAS-No.) 64-19-7	(10 = <c 2,="" 25)="" <="" eye="" h319<="" irrit.="" th=""></c>
	(EC-No.) 200-580-7	(10 = <c 2,="" 25)="" <="" h315<="" irrit.="" skin="" td=""></c>
	(EC Index-No.) 607-002-00-6	(25 = <c 1b,="" 90)="" <="" corr.="" h314<="" skin="" td=""></c>
		(C >= 90) Skin Corr. 1A, H314

Full text of H-statements: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and effe	ects, both acute and delayed	
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.	
4.3. Indication of any immediate medica	al attention and special treatment needed	
Treat symptomatically.		
SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam.	
5.2. Special hazards arising from the su	ubstance or mixture	
Hazardous decomposition products in case of fire	: Toxic fumes may be released.	
5.3. Advice for firefighters		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	

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ccording to Regulation (EC) No. 1907/2006 (REACH)	with its amendment Regulation (EU) 2015/	830		
SECTION 6: Acci	CTION 6: Accidental release measures				
6.1. Personal pro	Personal precautions, protective equipment and emergency procedures				
6.1.1. For non-eme	For non-emergency personnel				
Emergency procedures	ency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours.				
6.1.2. For emerger	ncy responders				
Protective equipment	tive equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".				
6.2. Environmen	Environmental precautions				
Avoid release to the en	release to the environment.				
6.3. Methods and	d material for contain	nent and cleaning up			
Methods for cleaning u					
Other information					
6.4. Reference to	o other sections				
For further information					
SECTION 7: Hand					
7.1. Precautions	for safe handling				
Precautions for safe ha	ndling	: Ensure good ventilation of the w protective equipment. Avoid bre	vork station. Avoid contact with skin and eyes. Wear personal eathing mist, vapours.		
Hygiene measures	ene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.				
7.2. Conditions f	Conditions for safe storage, including any incompatibilities				
Storage conditions					
-					
.3. Specific end use(s)					
No additional information	on available				
SECTION 8: Expo	sure controls/pe	sonal protection			
8.1. Control para	imeters				
Acetic Acid (64-19-7)				
EU	, IOELV TWA	(mg/m³)	25 mg/m ³ (Acetic acid; EU; Time-weighted average		
			exposure limit 8 h; Indicative occupational exposure limit value)		
EU	IOELV TWA	(ppm)	10 ppm (Acetic acid; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)		
Belgium	Limit value (i	ng/m³)	25 mg/m ³ (Acetic Acid; Belgium; Time-weighted average exposure limit 8 h)		
Belgium	Limit value (j	opm)	10 ppm (Acetic Acid; Belgium; Time-weighted average exposure limit 8 h)		
Belgium	Short time va	alue (mg/m³)	38 mg/m ³ (Acetic Acid; Belgium; Short time value)		
Belgium	Short time va	alue (ppm)	15 ppm (Acetic Acid; Belgium; Short time value)		
France	VLE (mg/m ³)		25 mg/m ³ (Acetic Acid; France; Short time value;)		
France	VLE (ppm)		10 ppm (Acetic Acid; France; Short time value;)		
Netherlands	Grenswaard	e TGG 8H (mg/m³)	25 mg/m ³ (Acetic Acid; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)		
USA - ACGIH	ACGIH TWA	(ppm)	10 ppm (Acetic acid; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)		
USA - ACGIH	ACGIH STE	_ (ppm)	15 ppm (Acetic acid; USA; Short time value; TLV -		

USA - ACGIH	ACGIH STEL (ppm)	15 ppm (Acetic acid; USA; Short time value; TLV - Adopted Value)				
Sodium Fluoride (7681-49	Sodium Fluoride (7681-49-4)					
EU	IOELV TWA (mg/m ³)	2.5 mg/m ³ (Fluorides, inorganic; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)				
Belgium	Limit value (mg/m³)	2.5 mg/m³ (Fluoride (en F); Belgium; Time-weighted average exposure limit 8 h)				
France	VME (mg/m ³)	2 mg/m ³ (Sodium (Fluoride), en F; France; Time- weighted average exposure limit 8 h)				
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	2 mg/m ³ (Fluoride (als F); Netherlands; Short time value; Public occupational exposure limit value; als F)				

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Sodium Fluoride (7681-49-4)			
United Kingdom	WEL TWA (mg/m³)	2.5 mg/m ³ Fluorides (inorganic as F); United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)	
USA - ACGIH	ACGIH TWA (mg/m³)	2.5 mg/m ³ (Fluorides, as F; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)	

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Protective goggles

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Solid	
Appearance	: Paste.	
Colour	: Yellow / Blue.	
Odour	: Acrylic.	
Odour threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: Not applicable	
Boiling point	: No data available	
Flash point	: Not applicable	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: Not applicable	
Solubility	: No data available	
Log Pow	: No data available	
Viscosity, kinematic	: Not applicable	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: Not applicable	
9.2. Other information		
No additional information quailable		

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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Acute toxicity (dermal)

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40.0					
10.2.	Chemical stability				
Stable ι	Stable under normal conditions.				
10.3.	Possibility of hazardous reactions				
No dang	No dangerous reactions known under normal conditions of use.				
10.4.	Conditions to avoid				
None ur	None under recommended storage and handling conditions (see section 7).				
10.5.	Incompatible materials				
No addi	tional information available				
10.6.	Hazardous decomposition products				
Under n	Under normal conditions of storage and use, hazardous decomposition products should not be produced.				
SECT	SECTION 11: Toxicological information				
11.1.	Information on toxicological effects				
Acute to	exicity (oral) : Not classified				

: Not classified

Acute toxicity (inhalation)	: Not classified
Fused Silica (60675-86-0)	
LD50 oral rat	N/A
LD50 dermal rat	N/A
LD50 dermal rabbit	N/A
LC50 inhalation rat (ppm)	N/A
LC50 inhalation rat (Dust/Mist - mg/l/4h)	N/A mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	N/A mg/l/4h
Urethane Dimethacrylate (Proprieta	ary)
LD50 oral rat	N/A
LD50 dermal rat	N/A
LD50 dermal rabbit	N/A
LC50 inhalation rat (ppm)	N/A
LC50 inhalation rat (Dust/Mist - mg/l/4h)	N/A mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	N/A mg/l/4h
Proprietary (Proprietary)	
LD50 oral rat	> 2000 mg/kg bodyweight (Rat; Literature study)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Literature study)
Acetic Acid (64-19-7)	
LD50 oral rat	3310 mg/kg bodyweight (Rat; Other; Read-across)
Sodium Fluoride (7681-49-4)	
LD50 oral rat	52 mg/kg (Rat)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure

: Not classified

Fused Silica (60675-86-0)	
LOAEL (oral, rat)	N/A mg/kg bodyweight
LOAEL (dermal, rat/rabbit)	N/A mg/kg bodyweight
LOAEC (inhalation, rat, gas)	N/A ppmv/4h
LOAEC (inhalation, rat, vapour)	N/A mg/l/4h
LOAEC (inhalation, rat, dust/mist/fume)	N/A mg/l/4h
Urethane Dimethacrylate (Proprietary)	
LOAEL (oral, rat)	N/A mg/kg bodyweight
LOAEL (dermal, rat/rabbit)	N/A mg/kg bodyweight

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Urethane Dimethacrylate (Proprietary)	
LOAEC (inhalation, rat, gas)	N/A ppmv/4h
LOAEC (inhalation, rat, vapour)	N/A mg/l/4h
LOAEC (inhalation, rat, dust/mist/fume)	N/A mg/l/4h
STOT-repeated exposure :	Not classified
Fused Silica (60675-86-0)	
LOAEL (oral, rat, 90 days)	N/A mg/kg bodyweight/day
LOAEL (dermal, rat/rabbit, 90 days)	N/A mg/kg bodyweight/day
LOAEC (inhalation, rat, gas, 90 days)	N/A ppmv/6h/day
LOAEC (inhalation, rat, vapour, 90 days)	N/A mg/l/6h/day
LOAEC (inhalation, rat,dust/mist/fume, 90 days)	N/A mg/l/6h/day
Urethane Dimethacrylate (Proprietary)	
LOAEL (oral, rat, 90 days)	N/A mg/kg bodyweight/day
LOAEL (dermal, rat/rabbit, 90 days)	N/A mg/kg bodyweight/day
LOAEC (inhalation, rat, gas, 90 days)	N/A ppmv/6h/day
LOAEC (inhalation, rat, vapour, 90 days)	N/A mg/l/6h/day
LOAEC (inhalation, rat,dust/mist/fume, 90 days)	N/A mg/l/6h/day
Aspiration hazard :	Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified
Proprietary (Proprietary)	
LC50 fish 1	175 mg/l (LC50; 96 h)
LC50 fish 2	> 100 mg/l (LC50; EU Method C.1; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 1	> 100 mg/l (EC50; EU Method C.2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	>= 100 mg/l (NOEC; EU Method C.2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	> 100 mg/l (EC50; EU Method C.3; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 100 mg/l (EC50; EU Method C.3; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
Sodium Fluoride (7681-49-4)	
LC50 fish 1	> 530 mg/l (LC50; 96 h)
EC50 Daphnia 1	98 mg/l (EC50; 48 h)

12.2. Persistence and degradability

Proprietary (Proprietary)			
Persistence and degradability	Readily biodegradable in water.		
Acetic Acid (64-19-7)	etic Acid (64-19-7)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.		
Biochemical oxygen demand (BOD)	0.6 - 0.74 g O₂/g substance		
Chemical oxygen demand (COD)	1.03 g O₂/g substance		
ThOD	1.07 g O₂/g substance		
Sodium Fluoride (7681-49-4)			
Persistence and degradability	Biodegradability: not applicable.		
Biochemical oxygen demand (BOD)	Not applicable		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		

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12.3. Bioaccumulative potential			
Proprietary (Proprietary)	Proprietary (Proprietary)		
Log Pow	0.75 (Calculated)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
Acetic Acid (64-19-7)			
BCF fish 1	3.16 (BCF; Pisces)		
Log Pow	-0.17 (Experimental value; 25 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
Sodium Fluoride (7681-49-4)			
BCF fish 1	2.3 (BCF)		
Bioaccumulative potential	Not bioaccumulative.		
12.4. Mobility in soil			
-			
Acetic Acid (64-19-7)			
Surface tension	0.028 N/m (20 °C)		
Log Koc	log Koc,0.06; QSAR		
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.		
Sodium Fluoride (7681-49-4)			
Ecology - soil	Toxic to flora.		
12.5. Results of PBT and vPvB assessmen	·		
No additional information available	•		
12.6. Other adverse effects			
No additional information available			
SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.		
SECTION 14: Transport information			
SECTION 14: Transport information			
	A.		
In accordance with ADR / RID / IMDG / IATA / AD	Ν		
	N		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number			
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR)	: Not applicable		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG)	: Not applicable : Not applicable		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA)	 Not applicable Not applicable Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN)	 Not applicable Not applicable Not applicable Not applicable Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN)	 Not applicable Not applicable Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN)	 Not applicable Not applicable Not applicable Not applicable Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name	 Not applicable Not applicable Not applicable Not applicable Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR)	 Not applicable Not applicable Not applicable Not applicable Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR)	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN)	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es)	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR	 Not applicable 		
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In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR	 Not applicable 		
In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG	 Not applicable 		
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In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG) IATA Transport hazard class(es) (IATA) ADN	 Not applicable 		
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In accordance with ADR / RID / IMDG / IATA / AD 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG) IATA Transport hazard class(es) (IATA) ADN	 Not applicable 		

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Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. **EU-Regulations**

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. **National regulations**

Germany

VwVwS Annex reference	: Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)	
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)	
Netherlands		
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed	
SZW-lijst van mutagene stoffen	: None of the components are listed	
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed	
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed	
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed	
Denmark		
Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product	
15.2. Chemical safety assessment		
No shaminal asfati assassment has been aswise	l out	

No chemical safety assessment has been carried out

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SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product