

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 9/26/2022 Revision date: 2/25/2025 Supersedes version of: 2/25/2025 Version: 2.1

advised against

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Bondflow - all grades
Product code	: BondFlow
1.2. Relevant identified uses	of the substance or mixture and uses a

1.2.1. Relevant identified uses Main use category : Industrial use,Professional use,Consumer use Industrial/Professional use spec : For professional use only Use of the substance/mixture : Adhesives, Sealants Function or use category : Adhesives, Sealants 1.2.2. Uses advised against : Adhesives, sealants Restrictions on use : Adhesives, sealants

1.3. Details of the supplier of the safety data sheet

Manufacturer	
Minkon Ltd	
Tofts Farm Industrial Estate	
Brenda Road	
TS25 2BS Hartlepool – Durham	
United Kingdom	
T 01429 273252	
sales@minkon.co.uk - www.minkon.co.uk	
1.4 Emergency telephone number	

Emergency number

: ++44 (0)1429 273252

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Specific target organ toxicity — Repeated exposure, Category 1	H372
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause cancer. May cause genetic defects. Causes damage to organs through prolonged or repeated exposure. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) : GHS02 GHS07 GHS08 GHS08 GHS09

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Signal word (CLP)	: Danger
Contains	: naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated
	naphtha; [A complex combination of hydrocarbons obtained from a catalytic
	hydrodesulfurization process. It consists of hydrocarbons having carbon numbers
	predominantly in the range of C7 through C12 and boiling in the range of approximately
	90°C to 230°C (194°F to 446 °F).]
Hazard statements (CLP)	: H226 - Flammable liquid and vapour.
	H312+H332 - Harmful in contact with skin or if inhaled.
	H315 - Causes skin irritation.
	H340 - May cause genetic defects.
	H350 - May cause cancer.
	H372 - Causes damage to organs through prolonged or repeated exposure.
	H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use.
	P202 - Do not handle until all safety precautions have been read and understood.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources
	No smoking.
	P233 - Keep container tightly closed.
	P240 - Ground and bond container and receiving equipment.
	P241 - Use explosion-proof electrical, lighting, ventilating equipment.
	P260 - Do not breathe fume, vapours, spray, mist.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P270 - Do not eat, drink or smoke when using this product.
	P271 - Use only outdoors or in a well-ventilated area.
	P273 - Avoid release to the environment.
	P280 - Wear eye protection, protective clothing, protective gloves.
	P302+P352 - IF ON SKIN: Wash with plenty of water.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
	Rinse skin with water or shower.
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
	P308+P313 - IF exposed or concerned: Get medical advice/attention.
	P312 - Call a POISON CENTRE or doctor if you feel unwell.
	P321 - Specific treatment (see supplemental first aid instruction on this label).
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P370+P378 - In case of fire: Use foam, dry sand, dry extinguishing powder to extinguish.
	P391 - Collect spillage.
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P405 - Store locked up.
	P501 - Dispose of contents and container to a hazardous or special waste collection point
EUH-statements	: EUH070 - Toxic by eye contact.
	EUH208 - Contains Dimethyltinneodecanoate(68928-76-7). May produce an allergic
	reaction.
	EUH018 - In use may form flammable/explosive vapour-air mixture.
Extra phrases	: For use in industrial installations or professional treatment only.
Exila pillases	

2.3. Other hazards

Contains PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).]	CAS-No.: 64742-82-1 EC-No.: 265-185-4 EC Index-No.: 649-330-00-2	30 – 40	Carc. 1B, H350 Muta. 1B, H340 Asp. Tox. 1, H304 STOT RE 1, H372
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2	1 – 10	Carc. 2, H351
Dodecamethylcyclohexasiloxane substance listed as REACH Candidate (Dodecamethylcyclohexasiloxane (D6)) PBT substance; vPvB substance	CAS-No.: 540-97-6 EC-No.: 208-762-8	< 1	Not classified
Decamethylcyclopentasiloxane substance listed as REACH Candidate (Decamethylcyclopentasiloxane (D5)) PBT substance; vPvB substance	CAS-No.: 541-02-6 EC-No.: 208-764-9	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Octamethylcyclotetrasiloxane substance listed as REACH Candidate (Octamethylcyclotetrasiloxane (D4)) PBT substance; vPvB substance	CAS-No.: 556-67-2 EC-No.: 209-136-7	< 1	Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Dimethyltinneodecanoate	CAS-No.: 68928-76-7 EC-No.: 273-028-6	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If medical advice is needed, have product container or label at hand. IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed	
Symptoms/effects after skin contact	: Irritation.

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

Treat symptomatically.

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SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Flammable liquid and vapour. Vapours may form explosive mixture with air. May form flammable/explosive vapour-air mixture. 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.	

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures			
			6.1.1. For non-emergency personnel
Protective equipment Emergency procedures	 EN 420. EN 166. EN 464. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray. 		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up	
For containment Methods for cleaning up	 Collect spillage. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 13	ι.
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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	 May explode on heating. In use, may form flammable vapour-air mixture. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

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Hygiene measures :	Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including an	y incompatibilities
Technical measures :	Ground/bond container and receiving equipment.
Storage conditions :	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Maximum storage period	12 months
Storage temperature :	5 – 30 °C
Storage area	Store away from heat.
Special rules on packaging	Store in a closed container.
Packaging materials	Store always product in container of same material as original container.

7.3. Specific end use(s)

An adhesive is a product capable of joining materials by surface bonding (adhesion), where the bond possesses adequate internal strength (cohesion). A sealant is an adhesive product applied to joints in order to fill gaps, mechanically block or protect from, for example, air and water.

: Band 2 - (Harmful on single exposure) : Use local exhaust ventilation

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

Control banding

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

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8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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	: Liquid
Appearance	: Liquid.
Colour	: Black.
Odour	: aromatic.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 41 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information	ation
11.1 Information on toxicological effec	ts
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.
Bondflow - all grades	
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (dust,mist)	1.5 mg/l/4h
Octamethylcyclotetrasiloxane (556-67	-2)
LD50 oral rat	> 4800 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:
LC50 Inhalation - Rat	36 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
Dimethyltinneodecanoate (68928-76-7)
LD50 oral rat	892 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 690 - 1160
Dodecamethylcyclohexasiloxane (540	-97-6)
LD50 oral rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Decamethylcyclopentasiloxane (541-0	2-6)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	8.67 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OTS 798.1150 (Acute inhalation toxicity), 95% CL: 7,3 - 10,32
of hydrocarbons obtained from a cata	ized heavy; Low boiling point hydrogen treated naphtha; [A complex combination lytic hydrodesulfurization process. It consists of hydrocarbons having carbon of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
Skin corrosion/irritation	: Slightly irritant but not relevant for classification
Serious eye damage/irritation	: Slightly irritant but not relevant for classification
Respiratory or skin sensitisation	: Classification procedure not required, because the substance or the mixture is by definition not an organic peroxide
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Dodecamethylcyclohexasiloxane (540-97-	6)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Decamethylcyclopentasiloxane (541-02-6)	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
of hydrocarbons obtained from a catalytic	heavy; Low boiling point hydrogen treated naphtha; [A complex combination c hydrodesulfurization process. It consists of hydrocarbons having carbon 7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to
STOT-repeated exposure	Causes damage to organs (central nervous system) through prolonged or repeated exposure.
Aspiration hazard	: Not classified
titanium dioxide; [in powder form contain	ing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)
Viscosity, kinematic	Not applicable
Octamethylcyclotetrasiloxane (556-67-2)	
Viscosity, kinematic	1.6 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'
Dodecamethylcyclohexasiloxane (540-97-	6)
Viscosity, kinematic	5.6 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'
Decamethylcyclopentasiloxane (541-02-6)	
Viscosity, kinematic	3.7 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'
of hydrocarbons obtained from a catalytic	I heavy; Low boiling point hydrogen treated naphtha; [A complex combination c hydrodesulfurization process. It consists of hydrocarbons having carbon 7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to
Viscosity, kinematic	< 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'

SECTION 12: Ecological information

12.1. Toxicity

0, 0	Toxic to aquatic life with long lasting effects. Not classified
Hazardous to the aquatic environment, long-term : (chronic) Not rapidly degradable	Toxic to aquatic life with long lasting effects.
Octamethylcyclotetrasiloxane (556-67-2)	
LC50 - Fish [1]	> 22 μg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 15 μg/l Test organisms (species): Daphnia magna

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Dimethyltinneodecanoate (68928-76-7)		
EC50 - Crustacea [1]	39 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	7.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 72h - Algae [2]	2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
Decamethylcyclopentasiloxane (541-02-6)		
LC50 - Fish [1]	> 16 μg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	> 2.9 μg/l Test organisms (species): Daphnia magna	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Dodecamethylcyclohexasiloxane (540-97-6)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
Decamethylcyclopentasiloxane (541-02-6)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
Octamethylcyclotetrasiloxane (556-67-2)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerat	tions
13.1. Waste treatment methods	
Waste treatment methods Additional information HP Code	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapours may accumulate in the container. HP3 - "Flammable:" flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

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accordance with ADR / IMD	DG / ADN / RID		
ADR	IMDG	ADN	RID
14.1. UN number			
UN 1300	UN 1300	Not regulated	Not regulated
14.2. UN proper shipping	g name		
TURPENTINE SUBSTITUTE	TURPENTINE SUBSTITUTE	Not regulated	Not regulated
Transport document descri	iption		
UN 1300 TURPENTINE SUBSTITUTE, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1300 TURPENTINE SUBSTITUTE, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	Not regulated	Not regulated
14.3. Transport hazard c	lass(es)		
3	3	Not regulated	Not regulated
		Not regulated	Not regulated
14.4. Packing group			
II	Ш	Not regulated	Not regulated
14.5. Environmental haz	ards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Not regulated	Not regulated
No supplementary informatio	n available		

Overland transport

e renana a anopere	
Classification code (ADR)	: F2
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions	: TP1
(ADR)	
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	33
	33
	1300
	1300
Tunnel restriction code (ADR)	: D/E
EAC code	: 3YE
Transport by sea	
Limited quantities (IMDG)	: 5 L

Excepted quantities (IMDG)

: E2

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Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B
Flash point (IMDG)	: 41
Properties and observations (IMDG)	: Immiscible with water.

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Bondflow - all grades	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: 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
3(b)	Bondflow - all grades ; Octamethylcyclotetrasilox ane ; Dimethyltinneodecanoate ; naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).]	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: 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

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	Bondflow - all grades ; Octamethylcyclotetrasilox ane ; Dimethyltinneodecanoate ; Decamethylcyclopentasilo xane	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: Hazard class 4.1
70.	Octamethylcyclotetrasilox ane ; Decamethylcyclopentasilo xane	Octamethylcyclotetrasiloxane (D4) ; Decamethylcyclopentasiloxane (D5)
28.	naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).]	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.
29.	naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).]	Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains a substance on the REACH candidate list: Octamethylcyclotetrasiloxane (D4) (EC 209-136-7, CAS 556-67-2), Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6), Decamethylcyclopentasiloxane (D5) (EC 208-764-9, CAS 541-02-6)

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

Germany

Employment restrictions Water hazard class (WGK)	 Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG). WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).
Chemicals Prohibition Ordinance (ChemVerbotsV)	: This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen – Borstvoeding SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	 Dimethyltinneodecanoate are listed Dimethyltinneodecanoate are listed None of the components are listed Octamethylcyclotetrasiloxane is listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	: R10 <h226;h312+h332;h315;h340;h350;h372;h411>; Emergency management guidelines for the storage of flammable liquids must be followed</h226;h312+h332;h315;h340;h350;h372;h411>
Danish National Regulations	 Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal
Switzerland	
Storage class (LK)	: LK 3 - Flammable liquids
Chemicals Ordinance (SR 813.11)	: Group 1

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information				
Indication of changes				
Section	Changed item	Change	Comments	
	Supersedes version of	Modified		

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Indication of changes			
Section	Changed item	Change	Comments
	Limited quantities (IMDG)	Modified	
14.6	Classification code (ADR)	Modified	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

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Abbreviations and acronyms:	
ED End	ndocrine disrupting properties

Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 1B	Carcinogenicity, Category 1B	
Carc. 2	Carcinogenicity, Category 2	
EUH018	In use may form flammable/explosive vapour-air mixture.	
EUH070	Toxic by eye contact.	
EUH208	Contains Dimethyltinneodecanoate(68928-76-7). May produce an allergic reaction.	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H332	Harmful if inhaled.	
H340	May cause genetic defects.	
H350	May cause cancer.	
H351	Suspected of causing cancer.	
H361f	Suspected of damaging fertility.	
H372	Causes damage to organs through prolonged or repeated exposure.	
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.	
H412	Harmful to aquatic life with long lasting effects.	
Muta. 1B	Germ cell mutagenicity, Category 1B	
Repr. 2	Reproductive toxicity, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1A	Skin sensitisation, category 1A	
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1	

Safety Data Sheet (SDS), EU

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.