

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Reference number: 61107gb-fr-dk Issue date: 10/2/2018 Revision date: 1/13/2021 Supersedes version of: 6/8/2020 Version: 1.0

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

1.1. Product identifier

Product form Trade name Reference number

: Mixture : Silirub N : 61107gb-fr-dk

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

1.2.1. Relevant identified uses

Main use category Use of the substance/mixture : Professional use,Consumer use: Sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal N.V. Everdongenlaan 18-20 2300 Turnhout - Belgium T +32 14 42 42 31 - F +32 14 42 65 14 sds@soudal.com - www.Soudal.com

1.4. Emergency telephone number

Emergency number

: +32 14 58 45 45 (BIG) 24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

EUH-statements

 EUH210 - Safety data sheet available on request.
 EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. (Except for black/brown/transparent product).

2.3. Other hazards

The product does not meet the PBT and vPvB classification criteria

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] hydrocarbons, C15-C20, n-alkanes, isoalkanes, (EC-No.) 934-956-3 ≥ 25 – < 50 Asp. Tox. 1, H304 cyclics, < 0.03% aromatics (REACH-no) 01-2119827000-58 2-pentanone,O,O',O"-(methylsilylidyne)trioxime (CAS-No.) 37859-55-5 ≥ 1 – < 5 Acute Tox. 4 (Oral), H302 (EC-No.) 484-460-1 Acute Tox. 4 (Dermal), H312 (REACH-no) 01-2120004323-76 Eye Irrit. 2, H319 titanium dioxide (CAS-No.) 13463-67-7 ≥1-<5 Carc. 2, H351 (EC-No.) 236-675-5 (EC Index-No.) 022-006-00-2 (REACH-no) 01-2119489379-17

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophtalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth out with water. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and eff	fects, both acute and delayed

No additional information available

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

Treat symptomatically.

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 subs	tance 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.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protectiv	e equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area.	
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".	

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.	
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.

SECTION 7: Handling and stor	age	
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions Maximum storage period Packaging materials	 Store in a dry area. Store at room temperature. Store in a well-ventilated place. 1 year Synthetic material. 	

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7.3. Specific end use(s)
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No additional information available

SECTION 8: Exposure controls/personal protection 8.1. Control parameters titanium dioxide (13463-67-7) United Kingdom - Occupational Exposure Limits WEL TWA (OEL TWA) [1] 10 mg/m³ 4 mg/m³

2-pentanone,O,O',O''-(methylsilylidyne)trioxime (37859-55-5)		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	0.624 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	2.205 mg/m³	
Long-term - systemic effects, dermal	0.065 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.229 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	0.375 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	0.651 mg/m³	
Acute - systemic effects, oral	0.375 mg/kg bodyweight/day	
Long-term - systemic effects,oral	0.033 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.057 mg/m³	
Long-term - systemic effects, dermal	0.033 mg/kg bodyweight/day	

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PNEC (Water)		
PNEC aqua (freshwater)	0.1 mg/l	
PNEC aqua (marine water)	0.01 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.569 mg/kg dwt	
PNEC sediment (marine water)	0.057 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.044 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	2.15 mg/l	
	2. 15 mg/i	

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
Skin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	
In case of insufficient ventilation, wear suitable respiratory equipment	

Personal protective equipment symbol(s):



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	: Pasty.
Colour	: Variable.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 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	: > 100 °C
Auto-ignition temperature	: No data available

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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
Density	: 0.956 (20°)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: > 20.5 mm²/s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content

: 0.0082 - 0.123 % (0.078 g/l - 1.176 g/l)

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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			
11.1. Information on toxicologica	al effects		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified Not classified Not classified 		
hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics			
LD50 oral rat	> 5000 mg/kg (OECD 401 (Acute Oral Toxicity))		
LD50 dermal rabbit	> 3160 mg/kg (OECD 402 (Acute Dermal Toxicity))		
LC50 Inhalation - Rat	> 5266 mg/l/4h (OECD 403 (Acute Inhalation Toxicity))		
	· · · · · · · · · · · · · · · · · · ·		
2-pentanone,O,O',O''-(methylsilylidyne)trioxime (37859-55-5)			
	4004 months (OEOD 405 (Anote Oral Tanisita University David		

	LD50 oral rat	1234 mg/kg (OECD 425 (Acute Oral Toxicity: Up-and-Down Procedure))	
	LD50 dermal rat	> 1782 (EU method B.3 (Acute Toxicity Dermal))	

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titanium dioxide (13463-67-7)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 5.09 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
2-pentanone,O,O',O"-(methylsilylid	yne)trioxime (37859-55-5)
NOAEL (oral, rat, 90 days)	15 mg/kg bodyweight (Animal: rat, Guideline: OECD 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test))
Aspiration hazard	: Not classified

Silirub N	
Viscosity, kinematic	> 20.5 mm²/s (40°C)

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.	
Hazardous to the aquatic environment, short-term (acute)	: Not classified	
Hazardous to the aquatic environment, long-term (chronic) Not rapidly degradable	: Not classified.	

2-pentanone,O,O',O''-(methylsilylidyne)trioxime (37859-55-5)		
LC50 - Fish [1]	> 113 mg/l (OECD203; Test organisms (species): Oncorhynchus mykiss; 96h)	
EC50 - Crustacea [1] > 113 mg/l (OECD202; Test organisms (species): Daphnia Magna; 48h)		
ErC50 algae	88 mg/l (OECD201; Test organisms (species): Pseudokirchneriella subcapitata; 72h)	

titanium dioxide (13463-67-7)		
LC50 - Fish [1]	> 1000 mg/l (Pisces, Fresh water)	
EC50 - Crustacea [1]	> 1000 mg/l (Invertebrata, Fresh water)	
EC50 72h - Algae [1]	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)	
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)	
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

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12.2. Persistence and degradability	
hydrocarbons, C15-C20, n-alkanes, isoalkan	es, cyclics, < 0.03% aromatics
Biodegradation	74 % (OECD 306: Biodegradability in seawater; closed bottle test; 28d)
2-pentanone,O,O',O"-(methylsilylidyne)triox	ime (37859-55-5)
Biodegradation	1 % (OECD 301B (CO2 Evolution Test); 28d)
titanium dioxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
12.3. Bioaccumulative potential	
2-pentanone,O,O',O"-(methylsilylidyne)triox	ime (37859-55-5)
Partition coefficient n-octanol/water (Log Pow)	1.25
Bioaccumulative potential	Bioaccumulation unlikely.
titanium dioxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.
12.4. Mobility in soil	
titanium dioxide (13463-67-7)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.
12.5. Results of PBT and vPvB assessment	
Silirub N	
The product does not meet the PBT and vPvB classif	ication criteria
Component	
titanium dioxide (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
12.6. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Regional legislation (waste)	: Non hazardous waste.	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Sewage disposal recommendations	: Do not discharge into drains or the environment.	
European List of Waste (LoW) code	 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09 15 01 02 - plastic packaging 	

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SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	g name	· · · ·		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information	n available	1		

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

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on	Entry title or description
3(b)	hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics ; 2- pentanone,O,O',O"- (methylsilylidyne)trioxime	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

Contains no substance on the REACH candidate list \geq 0,1 % / SCL

Contains no REACH Annex XIV substances

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.

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

VOC content

: 0.0082 - 0.123 % (0.078 g/l - 1.176 g/l)

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15.1.2. National regulations

No additional information available

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
		Modified	Layout

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	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
EC-No.	European Community number	
EN	European Standard	
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	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal) Acute 1	toxicity (dermal), Category 4

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Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
EUH210	Safety data sheet available on request.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. (Except for black/brown/transparent product)

SDS EU (REACH Annex II)-Soudal

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.