

## SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

## Silirub N

### SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier: Product name : Silirub N Registration number REACH : Not applicable (mixture) Product type REACH : Mixture 1.2 Relevant identified uses of the substance or mixture and uses advised against: 1.2.1 Relevant identified uses Sealing compound 1.2.2 Uses advised against No uses advised against known 1.3 Details of the supplier of the safety data sheet: Supplier of the safety data sheet SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com Manufacturer of the product SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com 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: 2.1.1 Classification according to Regulation EC No 1272/2008 Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008 2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC Not classified as dangerous according to the criteria of Directive(s) 67/548/EEC and/or 1999/45/EC 2.2 Label elements: Labelling according to Regulation EC No 1272/2008 (CLP) Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008 Supplemental information EUH208 Contains: 2-butanone oxime; trimethoxy(methyl)silane. May produce an allergic reaction. Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD) Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC Contains: 2-butanone oxime; trimethoxy(methyl)silane. May produce an allergic reaction. 2.3 Other hazards: CLP No other hazards known DSD/DPD May produce an allergic reaction SECTION 3: Composition/information on ingredients Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG) Publication date: 2008-06-04 134-15960-462-en Technische Schoolstraat 43 A, B-2440 Geel Date of revision: 2015-03-30 http://www.big.be © BIG vzw

Reason for revision: 2.2;4.2 Revision number: 0202

Product number: 46302

### 3.1 Substances:

#### Not applicable 3.2 Mixtures: Classification according to Note Name CAS No Classification Conc. (C) Remark REACH Registration No EC No according to DSD/DPDCLP hydrocarbons, C14-C18, n-alkan<mark>es, isoalkanes,</mark> Xn; R65 Asp. Tox. 1; H304 (1)(10) Constituent C>20 % cyclics. aromatics (2-30%) R66 01-2119448343-41

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

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

### SECTION 4: First aid measures

### 4.1 Description of first aid measures:

General:

If you feel unwell, seek m<mark>edical advice.</mark>

### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

- Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.
- After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

### 4.2 Most important symptoms and effects, both acute and delayed:

4.2.1 Acute symptoms After inhalation: No effects known. After skin contact: No effects known. After eye contact: No effects known. After ingestion: No effects known. 4.2.2 Delayed symptoms No effects known.

4.3 Indication of any immediate medical attention and special treatment needed: If applicable and available it will be listed below.

### SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

- 5.1.1 Suitable extinguishing media: Polyvalent foam. ABC powder. Carbon dioxide.
- 5.1.2 Unsuitable extinguishing media: No unsuitable extinguishing media known.
- 5.2 Special hazards arising from the substance or mixture:

On burning release of car<mark>bon monoxide - carbon dioxide.</mark>

### 5.3 Advice for firefighters:

### 5.3.1 Instructions:

- No specific fire-fighting instructions required.
- 5.3.2 Special protective equipment for fire-fighters:
  - Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:
  - No naked flames.
  - 6.1.1 Protective equipment for non-emergency personnel See heading 8.2
  - 6.1.2 Protective equipment for emergency responders

Reason for revision: 2.2;4.2

### Publication date: 2008-06-04 Date of revision: 2015-03-30

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Silirub N	
Gloves. Protective clo <mark>thing.</mark>	
Suitable protective clothing See heading 8.2	
6.2 Environmental precautions: Contain leaking substance. Use appropriate containment to avoid environmental contamination.	
6.3 Methods and material for containment and cleaning up: Scoop solid spill into closing containers. Clean contaminated surfaces with a soap solution. Wash clothing and equipn	nent after handling.
6.4 Reference to other sections: See heading 13.	
SECTION 7: Handling and storage	
The information in this section is a general description. If applicable and available, exposure scenarios are attached in an scenarios that correspond to your identified use.	nex. Always use the relevant exposure
7.1 Precautions for safe handling: Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed.	
7.2 Conditions for safe storage, including any incompatibilities: 7.2.1 Safe storage requirements:	
Store in a dry area. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).	
7.2.2 Keep away from: Heat sources.	
7.2.3 Suitable packaging material:	
Synthetic material.	
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 manufactu	rer.
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.	
b) National biological limit values	
If limit values are applicable and available these will be listed below.	
8.1.2 Sampling methods If applicable and available it will be listed below.	
8.1.3 Applicable limit values when using the substance or mixture as intended	
If limit values are applicable and available these will be listed below.	
8.1.4 DNEL/PNEC values	
If applicable and available it will be listed below. 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 ir	annex. Always use the relevant exposure
scenarios that correspond to your identified use. 8.2.1 Appropriate engineering controls	
Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open,	/under local exhaust/ventilation or with
respiratory protection. 8.2.2 Individual protection measures, such as personal protective equipment	
Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke during work.	
a) Respiratory protection:	
Insufficient ventilation: wear respiratory protection. b) Hand protection:	
Gloves.	
<u>c) Eye protection:</u>	
Safety glasses. <u>d) Skin protection:</u>	
Protective clothing.	
8.2.3 Environmental exposure controls:	
See headings 6.2, 6.3 and 13	
Reason for revision: 2.2;4.2 Publication date: 20	
Date of revision: 20	10-00-00

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TION 9: Phys	ical and ch	emical pro	nerties				
.1 Information on Physical form	i basic physical	and chemical Paste		_			
Odour			acteristic odour				
Odour threshold	1		ata available				
Colour		Varia	<mark>ible in co</mark> lour, depe	nding on the comp	osition		
Particle size			<mark>ata availa</mark> ble				
Explosion limits			ata available				
Flammability			easily combustible	\ \	_		
Log Kow Dynamic viscosit	TV		<mark>applicable</mark> (mixture) ata available	)		_	
Kinematic viscosi			ata available				
Melting point	-	No d	<mark>ata availa</mark> ble				
Boiling point		No d	<mark>ata availa</mark> ble				
Flash point		> 120				-	
Evaporation rate			ata available		_		
Relative vapour o			<mark>ata avail</mark> able ata available				
Vapour pressure Solubility			r ; insoluble				
Relative density		0.97	,,,,,				
Decomposition t	emperature		ata available				
Auto-ignition ten			<mark>ata availa</mark> ble				
Explosive proper			hemical group asso				
Oxidising proper	ties		hemical group asso	ciated with oxidisir	ng properties		
рН		ואס מ	ata available				
.2 Other informat	tion:						
Surface tension			ata available				
		> 200	seconds ; 4mm				
Extrapolated kind			1 3				
Absolute density TION 10: Stal 0.1 Reactivity: Temperature abo 0.2 Chemical stab	y bility and r ove flashpoint: high bility:	970k eactivity	g/m <sup>3</sup>	ilable.			
Absolute density TION 10: Stal 0.1 Reactivity: Temperature abo	bility and r ove flashpoint: high bility: rmal conditions. hazardous reac	970k eactivity ner fire/explosion h		ilable.			
Absolute density TION 10: Stal 0.1 Reactivity: Temperature abo 0.2 Chemical stab Stable under nor 0.3 Possibility of I No data available 0.4 Conditions to Keep away from	v bility and r ove flashpoint: high bility: rmal conditions. hazardous read e. avoid: naked flames/heat	970k eactivity ner fire/explosion h :tions:		iilable.			
Absolute density TION 10: Stal 0.1 Reactivity: Temperature abo 0.2 Chemical stab Stable under nor 0.3 Possibility of I No data available 0.4 Conditions to Keep away from 0.5 Incompatible No data available 0.6 Hazardous de	v bility and r ove flashpoint: high bility: rmal conditions. hazardous reac e. avoid: naked flames/heat materials: e. e.	970k eactivity her fire/explosion f :tions: t.	nazard. No data ava	ilable.			
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Absolute density TION 10: Stal 0.1 Reactivity: Temperature abo 0.2 Chemical stab Stable under nor 0.3 Possibility of I No data available 0.4 Conditions to Keep away from 0.5 Incompatible No data available 0.6 Hazardous de On burning relea TION 11: Tox 1.1 Information o 11.1.1 Test results a toxicity Ub N No (test)data on the m hydrocarbons, C14-C12 Route of exposure	y bility and r ove flashpoint: high pility: rmal conditions. hazardous reac e. avoid: naked flames/heat materials: e. composition p ase of carbon mono cicological i on toxicological inixture available .8, n-alkanes, isoalk e Parameter Me LD50 Eq LD50 Eq	eactivity eactivity ner fire/explosion f tions: t. roducts: pxide - carbon dioxi nformation affects: ethod uivalent to OECD auivalent to OECD	nazard. No data ava ide. N natics (2-30%) Value			determination	Remark
Absolute density ION 10: Stal O.1 Reactivity: Temperature abo Stable under nor O.2 Chemical stab Stable under nor O.3 Possibility of I No data available O.4 Conditions to Keep away from O.5 Incompatible No data available O.6 Hazardous de On burning relea ION 11: Tox I.1 Information o 11.1.1 Test results toxicity Ub N No (test)data on the m hydrocarbons, C14-C12 Route of exposure Oral	y         bility and r         ove flashpoint: high         bility:         rmal conditions.         hazardous reacter         hazardous reacter         avoid:         naked flames/heat         materials:         e.         composition p         asse of carbon mono         cicological i         on toxicological         nixture available         8, n-alkanes, isoalk         Parameter         LD50       Eq         LD50       Eq         LD50       Eq         LD50       Eq	eactivity eactivity her fire/explosion f tions: t. roducts: pxide - carbon dioxi nformation effects: anes, cyclics, aromethod uivalent to OECD 2 uivalent to OECD 2	nazard. No data ava ide. N Natics (2-30%) Value > 4150mg/kg bw	Exposure time	Rat (male/female)	determination Read-across	Remark
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Judgement is based or <u>Conclusion</u> Not classified for acut		ingredients								
Corrosion/irritation	etoxicity					_				
<u>Silirub N</u> No (test)data on the n	nixture a <mark>vaila</mark> t	ble								
hydrocarbons, C14-C1		soalkanes, cyclie	cs, aroma	itics (2-3	<u>0%)</u>					
Route of exposure	Result	Method		Expos	ure time	Time point	Species	Value determ	ination	Remark
Еуе	Not irritating	Equivaleı OECD 40				1; 24; 48; 72; 168 hours	Rabbit	Read-ad	cross	
Skin	Not irritating		nt to	4 h		24; 48; 72 hours	Rabbit	Read-ad	cross	
Judgement is based of Conclusion		ingredients	-							
Not classified as irritat Not classified as irritat	•									
Not classified as irritat	-									
Respiratory or skin sensitis	ation									
<u>Silirub N</u>										
No (test)data on the n hydrocarbons, C14-C1				tice (2.2	20%)					
Route of exposure		Method			ire time	Observation time	Species	Value dete	ermination	Remark
Skin	Not sens <mark>itizin</mark> g	g Equivalent t	to OECD			point 24; 48 hours	Guinea pig	Read-acros	SS	
	Not sensitizing	406					(male/female)	Read-acros		
Skin Judgement is based o							Human		55	1]
Conclusion	tinin n fan in hal									
Not classified as sensi Not classified as sensi	-	ation								
Specific target organ toxici	tv									
	.,									
Silirub N										
No (test)data on the mi	xture available	e								
No (test)data on the mi hydrocarbons, C14-C1	18, n-alka <mark>nes, i</mark>	soalkanes, cycli		<u>itics (2-3</u>	-	here -			_	- <u></u>
No (test)data on the mi	18, n-alka <mark>nes, i</mark>	soalkanes, cycli	cs, aroma Value	itics (2-3	<u>0%)</u> Organ	Effect	Exposure time	Spec	ies	Value determination
No (test)data on the mi <u>hydrocarbons, C14-C1</u> Route of exposure Oral (stomach	18, n-alka <mark>nes, i</mark>	soalkanes, cyclio Method Equivalent to	Value	g/kg	-	Effect No effect	Exposure time	Rat		
No (test)data on the mi <u>hydrocarbons, C14-C1</u> Route of exposure	<u>18, n-alka<mark>nes, i</mark> e Parameter</u>	soalkanes, cyclie Method Equivalent to OECD 407 Equivalent to	Value 1036m bw/day > 495m	g/kg / ng/kg	-	No effect No adverse	30 day(s) 13 weeks (5	Rat (male Rat	e/female)	determination
No (test)data on the mi hydrocarbons, C14-C1 Route of exposure Oral (stomach tube)	<u>18, n-alka<mark>nes, i</mark> e Parameter</u> NOAEL	Soalkanes, cyclin Method Equivalent to OECD 407	Value 1036m bw/day > 495m bw/day	g/kg / ng/kg	Organ	No effect No adverse	30 day(s) 13 weeks (5 its days/week) 13 weeks (6h/d	Rat (male Rat (male		determination Read-across
No (test)data on the mi <u>hydrocarbons, C14-C1</u> Route of exposure Oral (stomach tube) Dermal Inhalation (vapours)	<ul> <li><u>Respectively and the second se</u></li></ul>	Soalkanes, cyclin           Method           Equivalent to           OECD 407           Equivalent to           OECD 411           Equivalent to           OECD 411           Equivalent to           OECD 411	Value 1036m bw/day > 495m bw/day	g/kg / ng/kg /	Organ	No effect No adverse systemic effec	30 day(s) 13 weeks (5 ts days/week)	Rat (male Rat (male	e/female) e/female)	determination Read-across Read-across
No (test)data on the mi <u>hydrocarbons, C14-C1</u> <b>Route of exposure</b> Oral (stomach tube) Dermal Inhalation (vapours) Judgement is based on <u>Conclusion</u>	18. n-alkanes, i         e       Parameter         NOAEL         NOAEL         NOAEL         NOAEC         n the relevant	Soalkanes, cyclin       Method       Equivalent to       OECD 407       Equivalent to       OECD 411       Equivalent to       OECD 411       Equivalent to       OECD 413       ingredients	Value 1036m bw/day > 495m bw/day	g/kg / ng/kg /	Organ	No effect No adverse systemic effec	30 day(s) 13 weeks (5 its days/week) 13 weeks (6h/d	Rat (male Rat (male	e/female) e/female)	determination Read-across Read-across
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No (test)data on the mi <u>hydrocarbons, C14-C1</u> Route of exposure Oral (stomach tube) Dermal Inhalation (vapours) Judgement is based or <u>Conclusion</u> Not classified for subc Mutagenicity (in vitro) <u>Sillirub N</u>	18. n-alkanes, i         e       Parameter         NOAEL         NOAEL         NOAEL         NOAEC         n the relevant         chronic toxicity	Soalkanes, cyclin Method Equivalent to OECD 407 Equivalent to OECD 411 Equivalent to OECD 413 ingredients	Value 1036m bw/day > 495m bw/day	g/kg / ng/kg /	Organ	No effect No adverse systemic effec	30 day(s) 13 weeks (5 its days/week) 13 weeks (6h/d	Rat (male Rat (male	e/female) e/female)	determination Read-across Read-across
No (test)data on the mi hydrocarbons, C14-C1 Route of exposure Oral (stomach tube) Dermal Inhalation (vapours) Judgement is based or <u>Conclusion</u> Not classified for subc Mutagenicity (in vitro)	18, n-alkanes, i         e       Parameter         NOAEL         NOAEL         NOAEC         n the relevant         chronic toxicity         nixture available	Soalkanes, cycli Method Equivalent to OECD 407 Equivalent to OECD 411 Equivalent to OECD 413 ingredients	Value 1036mį bw/day > 495m bw/day 3950mį	g/kg / ng/kg / g/m³ air	Organ	No effect No adverse systemic effec	30 day(s) 13 weeks (5 its days/week) 13 weeks (6h/d	Rat (male Rat (male	e/female) e/female)	determination Read-across Read-across
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### No (test)data on the mixture available

hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Equivalent to OECD 475		Rat (male/female)		Read-across
Negative	Equivalent to OECD 474		Mouse (male/female)		Read-across

### Carcinogenicity

<u>Silirub N</u>

No (test)data on the mixture available

#### Reproductive toxicity

#### <u>Silirub N</u>

No (test)data on the mixture a<mark>vailable</mark>

hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

	Parameter	Method	Value	Exposure time	Species	Effect	· J.	Value determination
Developmental toxicity	NOAEL		> 1000mg/kg bw/day	10 day(s)	Rat	No effect	Foetus	Experimental value
Maternal toxicity	NOAEL		> 1000mg/kg bw/day	10 day(s)	Rat	No effect		Experimental value
Effects on fertility		•	<mark>≥ 300</mark> mg/kg bw/day	14-16 week(s)	Rat (male)	No effect		Experimental value

Judgement is based on the relevant ingredients Conclusion CMR

Not classified for reprotoxic or developmental toxicity Not classified for mutagenic or genotoxic toxicity Not classified for carcinogenicity

Not classified for carcinogenicit

### Toxicity other effects

### <u>Silirub N</u>

No (test)data on the mixture available

hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

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

#### Chronic effects from short and long-term exposure

<u>Silirub N</u>

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

### SECTION 12: Ecological information

### 12.1 Toxicity:

<u>Silirub N</u>

No (test)data on the mixture ava<mark>ilable</mark>

hydrocarbons	$C1/1_{-}C18$	n-alkanos	icoalkanac	cyclics	aromatics	12-200	1/2
Invulocal Dolls	, CI4-CIO,	I I ai Kai ies,	isuaikaries,	, cycnes,	aiomatics	2-30/	ν0

	Parameter	Method	Value	Duration	Species		Fresh/salt water	Value determinatior
Acute toxicity fishes	LL50	OECD 203	> 1000mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Read-across; GLP
Acute toxicity invertebrates	NOEC	OECD 202	<mark>≥ 100</mark> 0mg/l	48 h	Daphnia magna	Static system	Fresh water	Read-across; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	1000mg/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Salt water	Read-across; GLP
Long-term toxicity fish	LL50	OECD 204	> 5000mg/l	21 day(s)	Danio rerio	Semi-static system	Fresh water	Read-across; GLP
	NOELR	OECD 204	5000mg/I	21 day(s)		Semi-static system	Fresh water	Read-across; GLP
Long-term toxicity aquatic invertebrates	NOELR	OECD 211	< 2500mg/l	21 day(s)		Semi-static system	Fresh water	Read-across; GLP
Toxicity aquatic micro- organisms	EC0	OECD 209	≥ 1000mg/l	5 minutes	Activated sludge	Static system	Fresh water	Read-across
Toxicity sediment organisms	LC50		503mg/kg sediment dw	10 day(s)	Corophium volutator	Static system	Salt water	Experimental value

Reason for revision: 2.2;4.2

Publication date: 2008-06-04 Date of revision: 2015-03-30

#### Silirub N Judgement is based on the relevant ingredients Conclusion Not classified as dangerous for the environment according to the criteria of Directive 1999/45/EC Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008 12.2 Persistence and degradability: hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) **Biodegradation water** Method Value Duration Value determination 59.1% 28 day(s) Literature study OECD 301F: Manometric Respirometry Test 60.7% 28 day(s) Experimental value Phototransformation air (DT50 air) Conc. OH-radicals Method Value determination Value AOPWIN v1.92 0.254h - 0.850h 1.5 E6 /cm<sup>3</sup> QSAR Conclusion Contains readily biodegradable component(s) 12.3 Bioaccumulative potential: <u>Silirub N</u> Log Kow Method Remark Value Temperature Value determination Not applicable (mixture) hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) Log Kow Value determination Method Remark Value Temperature > 3.5 Conclusion Contains bioaccumulative component(s) 12.4 Mobility in soil: hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) Percent distribution Method Fraction air Fraction biota Fraction Fraction soil Fraction water Value determination sediment Mackay level III 15% 0% 4% 30% 1% Calculated value **Conclusion** 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 Other adverse effects: Silirub N Global warming potential (GWP) None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014) Ozone-depleting potential (ODP) Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009) hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) Global warming potential (GWP) Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014) 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 Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

### 13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

Reason for revision: 2.2;4.2	Publication date: 2008-06-04
	Date of revision: 2015-03-30

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	14.4 Packing group:         Packing group         Labels         14.5 Environmental hazards:         Marine pollutant         Environmentally hazardous substance mark	
	14.4 Packing group:         Packing group         Labels         14.5 Environmental hazards:         Marine pollutant         Environmentally hazardous substance mark         14.6 Special precautions for user:	
	14.4 Packing group: Packing group Labels 14.5 Environmental hazards: Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user:	Publication date: 2008-06-04

	Special provisions				
	Limited quantities				
14.	7 Transport in bulk accord	ding to Annex II of MARPOL 73/78 and	the IBC Co	de:	
	Annex II of MARPOL 73/	78			
•	CAO-TI/IATA-DGR)				
	Transport			Not subject	
14.2	2 UN proper shipping nar	ne:			
14.3	3 Transport hazard class(	es):			
	Class				
14.4	4 Packing group:				
	Packing group				
	Labels				
14.5	5 Environmental hazards:				
	Environmentally hazardo	ous substance mark		no	
14.6	5 Special precautions for	user:			
	Special provisions				
	Passenger and cargo tran per packaging	nsport: limited quantities: maximum ne	et quantity		

### SECTION 15: Regulatory information

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

### European legislation:

VOC content Directive 2010/75/EU

VOC content	Remar	ĸ	
0%			
Plant protection products - listed ingredient			

Plant protection products - listed ingredient Contains component(s) included in implementing Regulation (EU) No 540/2011

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.

<ul> <li>hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)</li> </ul>	Liquid substances or mixtures which regarded as dangerous in accordance Directive 1999/45/EC or are fulfilling criteria for any of the following hazar or categories set out in Annex I to Re (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and types A and B, 2.9, 2.10, 2.12, 2.13 cr and 2, 2.14 categories 1 and 2, 2.15 t F; (b) hazard classes 3.1 to 3.6, 3.7 adve effects on sexual function and fertilit development, 3.8 effects other than effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	ce with       - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,         ard classes       - tricks and jokes,         Regulation       - games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the d 2.7, 2.8         acategories 1       required for fiscal reasons, or perfume, or both, if they:         5 types A to       - can be used as fuel in decorative oil lamps for supply to the general public, and, - present an aspiration hazard and are labelled with R65 or 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) adopted by the European
National legislation The Neth Silirub N	erlands	
Waste identification (the Netherlands)	E LWCA (the Netherlands): KGA ca	category 03
Waterbezwaarlijkheid	11	
eason for revision: 2.2;4.2		Publication date: 2008-06-04 Date of revision: 2015-03-30
evision number: 0202		Product number: 46302 9 / 10

# **Siliruh** M

	3			
National legislation Germa	ny			
Silirub N WGK	1. Classification water pollution	g based on the components in comp	lianco with Vorwaltungsvo	rschrift wassargafährdandar
	Stoffe (VwVwS) of 27 July 2005	(Anhang 4)	mance with verwartungsvo	ischint wassergerann den der
hydrocarbons, C14-C18, TA-Luft	n-alkanes, isoalkanes, cyclics, aromatic 5.2.5; I	<u>s (2-30%)</u>		1
National legislation France	0.2.0,1			
Silirub N				
No data available				
National legislation Belgiur	<u>n</u>			
<u>Silirub N</u> No data available				
Other relevant data				
<u>Silirub N</u>				
No data available				
5.2 Chemical safety ass				
No chemical safety asse				
ION 16: Other in				
	eferred to under headings 2 and 3: se lung damage if swallowed			
• •	e may cause skin dryness or cracking			
-	its referred to under headings 2 and 3: vallowed and enters airways.			
(*) = INTERNAL CLASSIF				
-	tent, bioaccumulative and toxic substar ous Substance Directive	ICES		
	ous Preparation Directive ation, labelling and packaging (Globally	Harmonised System in Europe)		
state of knowledge at th of the substances/prepa- may be used. Old versio substances/preparation substances/preparation take all measures dictat circumstances. BIG does parties. This safety data at your own risk. Use of failing the general cond	safety data sheet is based on data and s hat time. The safety data sheet only con arations/mixtures mentioned under poi ns must be destroyed. Unless indicated s/mixtures in purer form, mixed with of s/mixtures in question. Compliance wit ed by common sense, regulations and r s not guarantee the accuracy or exhausi sheet is only to be used within the Euro this safety data sheet is subject to the I itions of BIG. All intellectual property rig agreement/conditions for details.	stitutes a guideline for the safe hand nt 1. New safety data sheets are wri otherwise word for word on the saf her substances or in processes. The n the instructions in this safety data ecommendations or which are nece iveness of the information provided opean Union, Switzerland, Iceland, N icence and liability limiting condition	dling, use, consumption, stu itten from time to time. On fety data sheet, the inform e safety data sheet offers no sheet does not release the essary and/or useful based d and cannot be held liable Norway and Liechtenstein. A ns as stated in your BIG lice	orage, transport and disposal ly the most recent versions ation does not apply to o quality specification for the e user from the obligation to on the real applicable for any changes by third Any use outside of this area is once agreement or when this i
for revision: 2.2;4.2		Publi	ication date: 2008-06-04	
		Date	of revision: 2015-03-30	
on number: 0202		Produ	uct number: 46302	10/10