

# SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

# **Silirub LMN**

CTION 1: Identificat	tion o <u>f the s</u> ı	ubstance/n	nixture ar	nd of the <u>company</u>	/under	taking
1.1. Product identifier Product name Registration number REACH Product type REACH	: Silirub LM : Not appli : Mixture	1N cable (mixture)				
1.2. Relevant identified u	ses of the substa	nce or mixture	and uses adv	vised against		
1.2.1 Relevant identified use Sealing compound	<u>s</u>					
<u>1.2.2 Uses advised against</u> No uses advised against k	nown					
1.3. Details of the supplie	r of the safety da	ita sheet				
SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout C +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com	<u>neet</u>					
Manufacturer of the product SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout T +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com						
1.4. Emergency telephone 24h/24h (Telephone advi +32 14 58 45 45 (BIC	e <b>number</b> ce: English, French, Ge 6)	erman, Dutch):				
CTION 2: Hazards id	dentification					
2.1. Classification of the s	ubstance or mixt	<b>ure</b> teria of Regulation	(EC) No 1272/20	008		
2.2. Label elements Not classified as dangerou Supplemental informatio EUH208	us according to the cri n Contains: 2-butand	teria of Regulation one oxime. May pro	(EC) No 1272/20 oduce an allergic	008 c reaction.		
2.3. Other hazards No other hazards known						
CTION 3: Composit	ion/informa	tion on ing	redients			
3.1. Substances		0				
Not applicable						
3.2. Mixtures						
Name REACH Registration No		CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
2-butanone oxime		96-29-7 202-496-6	0.1% <c<1%< td=""><td>Carc. 2; H351 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317</td><td>(1)(10)</td><td>Reaction produc</td></c<1%<>	Carc. 2; H351 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317	(1)(10)	Reaction produc
hydrocarbons, C13-C23, n-alkane <0.03% aromatics 01-2119552497-29	es, isoalkanes, cyclics,		1% <c<10%< td=""><td>Asp. Tox. 1; H304</td><td>(1)(10)</td><td>UVCB</td></c<10%<>	Asp. Tox. 1; H304	(1)(10)	UVCB
ated by: Brandweerinformatiece	ntrum voor gevaarlijk	e stoffen vzw (BIG)		Publication date: 20	17-03-26	

Product number: 45006

Silirub LMN								
(1) For H-statements in full: see (10) Subject to restrictions of Ar	heading 16 Inex XVII of Regulation (EC) No. 1907/2	2006						
SECTION 4: First aid r	neasures							
<ul> <li>4.1. Description of first al General: If you feel unwell, seek m</li> <li>After inhalation: Remove the victim into find fiter skin contact: Wash immediately with I</li> <li>After skin contact: Rinse with water. Take vind fiter eye contact: Rinse with water. Take vind fiter ingestion: Rinse mouth with water.</li> <li>4.2. Most important sym 4.2.1 Acute symptoms After inhalation: No effects known.</li> </ul>	d measures redical advice. resh air. Respiratory problems: consult ots of water. Soap may be used. Take v ctim to an ophthalmologist if irritation Consult a doctor/medical service if you ptoms and effects, both acute	a doctor/medical service. victim to a doctor if irritation persists. persists. u feel unwell. and delayed						
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 imr If applicable and available	nediate medical attention and e it will be listed below.	d special treatment needed						
5.1. Extinguishing media 5.1.1 Suitable extinguishing Polyvalent foam. ABC po 5.1.2 Unsuitable extinguishi No unsuitable extinguishi 5.2. Special hazards arisiu	media: wder. Carbon dioxide. ng media: ing media known. ng from the substance or mixtu	ure						
Upon combustion: forma 5.3. Advice for firefighter 5.3.1 Instructions: No specific fire-fighting in 5.3.2 Special protective equ Gloves. Protective clothin	tion of CO, CO2 and small quantities of S nstructions required. ipment for fire-fighters: ng. Heat/fire exposure: compressed air	f nitrous vapours. /oxygen apparatus.						
SECTION 6: Accidenta	al release measures							
6.1. Personal precautions No naked flames. 6.1.1 Protective equipment See heading 8.2 6.1.2 Protective equipment Gloves. Protective clothin See heading 8.2	;, protective equipment and er for non-emergency personnel for emergency responders <sup>ithing.</sup>	mergency procedures						
6.2. Environmental preca Contain leaking substance. U	u <b>tions</b> Ise appropriate containment to avoid e	environmental contamination.						
6.3. Methods and materi Scoop solid spill into closing	al for containment and cleanir containers. Clean contaminated surface	<b>ng up</b> es with a soap solution. Wash clothing and equipm	ent after handling.					
6.4. Reference to other s See heading 13.	ections							
Reason for revision: 3.2		Publication date: 20 Date of revision: 202	07-03-26 15-11-26					

SECTION 7: Handling	and sto	orage			
The information in this section i scenarios that correspond to yo	is a general d our identified	escription. If applicable use.	and available, exposur	e scenarios are attached in annex	. Always use the relevant exposure
7.1. Precautions for safe Keep away from naked flam	handling es/heat. Obs	erve strict hygiene. Kee	p container tightly close	ed.	
7.2. Conditions for safe s	torage, in	cluding any incomp	patibilities		
7.2.1 Safe storage requirem Store in a dry area. Store	e <b>nts:</b> e at room terr	perature. Meet the leg	al requirements. Max.	storage time: 1 year(s).	
7.2.2 Keep away from: Heat sources.					
7.2.3 Suitable packaging ma Synthetic material.	aterial:				
7.2.4 Non suitable packagin No data available	g material:				
7.3. Specific end use(s) If applicable and availabl	e, exposure s	scenarios are attached in	n annex. See informatio	on supplied by the manufacturer.	
SECTION 8: Exposure	contro	ls/personal p	rotection		
9.1 Control parameters					
8.1.1 Occupational exposure	e e limit values				
If limit values are applica	ble and avail	able these will be listed	below.		
Germany					<u> </u>
Butanonoxim			Time-weighted aver	age exposure limit 8 h (TRGS 900 age exposure limit 8 h (TRGS 900	) 0.3 ppm ) 1 mg/m <sup>3</sup>
b) National biological lim	it values				, 0,
If limit values are applica	ble and avail	able these will be listed	below.		
8.1.2 Sampling methods					
If applicable and availabl	e it will be lis	ted below.	re as intended		
6. 1.3 Applicable III III values If limit values are applica	ble and avail	able these will be listed	helow		
8.1.4 DNEL/PNEC values		ubic these will be listed	below.		
DNEL/DMEL - Workers					
2-butanone oxime					
Effect level (DNEL/DM	IEL)	Туре		Value	Remark
Effect level (DNEL/DM DNEL	IEL)	Type Long-term systemic eff	ects inhalation	Value 9 mg/m³	Remark
Effect level (DNEL/DM DNEL	IEL)	Type Long-term systemic eff Long-term local effects	ects inhalation inhalation	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup>	Remark
Effect level (DNEL/DM DNEL	IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff	ects inhalation inhalation ects dermal	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day	Remark
Effect level (DNEL/DM DNEL	IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects	ects inhalation inhalation ects dermal dermal	Value 9 mg/m³ 3.33 mg/m³ 1.3 mg/kg bw/day 2.5 mg/kg bw/day	Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM	IEL) n-alkanes, isc	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.03%	ects inhalation inhalation ects dermal dermal 6 aromatics	Value 9 mg/m³ 3.33 mg/m³ 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value	Remark Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM	IEL) <u>n-alkanes, isc</u> IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.03% Type	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u>	Value 9 mg/m³ 3.33 mg/m³ 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available	Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p	IEL) <u>n-alkanes, isc</u> IEL) opulation	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.039 Type	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u>	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available	Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General pr 2-butanone oxime	IEL) <u>n-alkanes, iso</u> IEL) opulation	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.039 Type	ects inhalation inhalation ects dermal dermal 6 aromatics	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available	Remark Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p 2-butanone oxime Effect level (DNEL/DM	IEL) <u>n-alkanes, iso</u> IEL) opulation IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.03% Type	ects inhalation inhalation ects dermal dermal 6 aromatics	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available	Remark Remark Remark Remark Remark Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p 2-butanone oxime Effect level (DNEL/DM DNEL	IEL) <u>n-alkanes, iso</u> IEL) opulation IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.039 Type	ects inhalation inhalation ects dermal dermal 6 aromatics ects inhalation	Value 9 mg/m³ 3.33 mg/m³ 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m³	Remark Remark Remark Remark Remark
Effect level (DNEL/DM DNEL hvdrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General pr 2-butanone oxime Effect level (DNEL/DM DNEL	IEL) <u>n-alkanes, isc</u> IEL) opulation IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.03% Type Type Long-term systemic eff Long-term local effects	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u> ects inhalation inhalation	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m <sup>3</sup> 2 mg/m <sup>3</sup>	Remark Remark Remark Remark Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General pr 2-butanone oxime Effect level (DNEL/DM DNEL	IEL) <u>n-alkanes, isc</u> IEL) opulation IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.03% Type Type Long-term systemic eff Long-term local effects Long-term systemic effects	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u> ects inhalation inhalation ects dermal	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m <sup>3</sup> 2 mg/m <sup>3</sup> 0.78 mg/kg bw/day	Remark Remark Remark Remark Remark
Effect level (DNEL/DM DNEL hvdrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General pr 2-butanone oxime Effect level (DNEL/DM DNEL bvdrocarbons, C13-C23,	IEL) n-alkanes, iso IEL) opulation IEL)	Type Long-term systemic eff Long-term local effects Long-term systemic effects palkanes, cyclics, <0.039 Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.039	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u> ects inhalation inhalation ects dermal dermal dermal	Value         9 mg/m³         3.33 mg/m³         1.3 mg/kg bw/day         2.5 mg/kg bw/day         Value         No data available         Value         2.7 mg/m³         2.7 mg/m³         0.78 mg/kg bw/day         1.5 mg/kg bw/day	Remark Remark Remark Remark Remark
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General pr 2-butanone oxime Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM	IEL) <u>n-alkanes, isc</u> IEL) <u>n-alkanes, isc</u> IEL)	Type Long-term systemic eff Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.039 Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects palkanes, cyclics, <0.039 Type	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u> ects inhalation inhalation ects dermal dermal <u>6 aromatics</u>	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m <sup>3</sup> 2 mg/m <sup>3</sup> 0.78 mg/kg bw/day 1.5 mg/kg bw/day Value	Remark Remark Remark Remark Remark Remark Remark
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Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p 2-butanone oxime Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL <u>PNEC 2-butanone oxime</u> Compartments Fresh water Aqua (intermittent rele STP hydrocarbons, C13-C23, Compartments Effect level (DNEL/DM	IEL) <u>n-alkanes, isc</u> IEL) <u>opulation</u> IEL) <u>n-alkanes, isc</u> asses) <u>n-alkanes, isc</u>	Type Long-term systemic eff Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Value 0.256 r 0.118 r 177 m Dalkanes, cyclics, <0.039 Value No dat	ects inhalation inhalation ects dermal dermal <u>6 aromatics</u> ects inhalation inhalation ects dermal dermal <u>6 aromatics</u> ng/l <u>s/l</u> <u>6 aromatics</u> a available	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m <sup>3</sup> 2 mg/m <sup>3</sup> 0.78 mg/kg bw/day 1.5 mg/kg bw/day Value No data available Remark Remark	Remark
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Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p 2-butanone oxime Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL <u>PNEC</u> 2-butanone oxime Compartments Fresh water Aqua (intermittent rele STP hydrocarbons, C13-C23, Compartments 8.1.5 Control banding Reason for revision: 3.2	IEL)	Type Long-term systemic eff Long-term systemic eff Long-term systemic effects Long-term systemic effects Dalkanes, cyclics, <0.039 Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Value 0.256 r 0.118 r 177 mg Dalkanes, cyclics, <0.039 Value No dat	ects inhalation inhalation ects dermal dermal 6 aromatics ects inhalation inhalation ects dermal dermal 6 aromatics mg/l mg/l g/l 6 aromatics a available	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m <sup>3</sup> 2 mg/m <sup>3</sup> 0.78 mg/kg bw/day 1.5 mg/kg bw/day Value No data available Remark Remark	Remark         Image: Constraint of the second sec
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p 2-butanone oxime Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL <u>hydrocarbons, C13-C23,</u> Effect level (DNEL/DM PNEC 2-butanone oxime Compartments Fresh water Aqua (intermittent rele STP hydrocarbons, C13-C23, Compartments 8.1.5 Control banding Reason for revision: 3.2	IEL) <u>n-alkanes, isc</u> IEL)  Dulation IEL) IEL)  eases) n-alkanes, isc	Type Long-term systemic eff Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Value 0.256 r 0.118 r 177 m Dalkanes, cyclics, <0.039 Value No dat	ects inhalation inhalation ects dermal dermal 6 aromatics ects inhalation inhalation ects dermal dermal 6 aromatics mg/l mg/l g/l g/l 6 aromatics a available	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value No data available Value 2.7 mg/m <sup>3</sup> 2 mg/m <sup>3</sup> 0.78 mg/kg bw/day 1.5 mg/kg bw/day Value No data available Remark Remark	Remark         Image: Constraint of the second sec
Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL/DMEL - General p 2-butanone oxime Effect level (DNEL/DM DNEL hydrocarbons, C13-C23, Effect level (DNEL/DM DNEL <u>hydrocarbons, C13-C23,</u> Effect level (DNEL/DM <u>PNEC</u> 2-butanone oxime Compartments Fresh water Aqua (intermittent rele STP hydrocarbons, C13-C23, Compartments 8.1.5 Control banding Reason for revision: 3.2	IEL) <u>n-alkanes, isc</u> IEL)  Dulation IEL)  IEL)  eases)  n-alkanes, isc	Type Long-term systemic eff Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Long-term systemic eff Long-term local effects Long-term systemic eff Acute systemic effects Dalkanes, cyclics, <0.039 Type Value 0.256 r 0.118 r 177 m Dalkanes, cyclics, <0.039 Value No dat	ects inhalation inhalation ects dermal dermal 6 aromatics ects inhalation inhalation ects dermal dermal 6 aromatics ects dermal g/l g/l g/l g/l g/l g/l g/l g/l	Value 9 mg/m <sup>3</sup> 3.33 mg/m <sup>3</sup> 1.3 mg/kg bw/day 2.5 mg/kg bw/day Value Value 2.7 mg/m <sup>3</sup> 2.7 mg/m <sup>3</sup> 2.7 g/m <sup>3</sup> 0.78 mg/kg bw/day 1.5 mg/kg bw/day 1.5 mg/kg bw/day Value No data available Remark Remark	Remark         Image: Constraint of the second sec

#### 8.2. Exposure controls

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

#### 8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. 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. K<mark>eep container tightly closed. Do not e</mark>at, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection: Gloves. c) Eye protection:

Safety glasses.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

	Paste					
	naracteristic odour					
	data available					
	Variable in colour, depending on the composition					
	No data available					
	No data available					
	Not easily combustible					
	Not applicable (mixture)					
	<mark>No data availa</mark> ble					
	<mark>No data availa</mark> ble					
	<mark>No data availa</mark> ble					
	No data available					
	> 200 °C					
	No data available					
	No data available					
	<mark>No data availa</mark> ble					
	water ; insoluble					
	1.0					
ture	No data available					
re	No data available					
	No chemical group associated with explosive properties					
	No chemical group associated with oxidising properties					
	No data available					
	ture					

#### 9.2. Other information

Absolute density

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Temperature above flashpoint: higher fire/explosion hazard.

### 10.2. Chemical stability

Stable under normal conditions.

- 10.3. Possibility of hazardous reactions No data available.
- 10.4. Conditions to avoid Keep away from naked flames/heat.

#### 10.5. Incompatible materials No data available.

### 10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours.

1000 kg/m<sup>3</sup>

Reason for revision: 3.2

Publication date: 2007-03-26 Date of revision: 2015-11-26

Revision number: 0402

Product number: 45006

### SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1 Test results

#### Acute toxicity

#### Silirub LMN

No (test)data on the mixture available

2-butanone oxime

	Route of exposure	Para	meter	Method	Value	Exposure time	Species	Value determination	Remark
	Oral	LD50		Equivalent to OECD 401	2326 mg/kg bw		Rat (male)	Experimental value	
	Dermal	LD50		Equivalent to OECD 402	> 1000 mg/kg bw	24 h	Rabbit (male/female)	Experimental value	
	Inhalation (vapours)	LC50		Equivalent to OECD 403	> 4.83 mg/l air	4 h	Rat (male/female)	Experimental value	
hyd	rocarbons, C13-C23, r	n-alka	nes, isc	alkanes, cyclics, <0.03	3% aromatics				
	Route of exposure	Parai	meter	Method	Value	Exposure time	Species	Value determination	Remark
	Oral	LD50		OECD 401	<mark>&gt; 5000 m</mark> g/kg bw		Rat (male/female)	Experimental value	
	Dermal	LD50		OECD 402	> 3160 mg/kg bw	24 h	Rabbit (male/female)	Experimental value	
	Inhalation (aerosol)	LC50		OECD 403	<mark>&gt; 5266 m</mark> g/m³ air	4 h	Rat (male/female)	Experimental value	

Judgement is based on the relevant ingredients

#### **Conclusion**

Not classified for acute toxicity

#### Corrosion/irritation

#### Silirub LMN

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
	Not irrita <mark>ting</mark>	OECD 437				Experimental value	
	Not irrita <mark>ting</mark>					Expert judgement	
2-butanone oxime							
Route of exposu	re Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious <mark>eye</mark> damage	Equivalent to OECD 405		24; 72 hours	Rabbit	Experimental value	Single treatment
Skin	Irritating	Other	<mark>3 min</mark> utes		Rabbit	Experimental value	1
hydrocarbons, C13-	C23, n-alka <mark>nes, isoa</mark>	lkanes, cyclics, <0.0	3% aromatics				
Route of exposu	re Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	24 h	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	<mark>4 h</mark>	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	Other	24 h	24; 48; 72 hours	Human	Experimental value	
Judgement is based	on the relevant ing	radianta					

Judgement is based on the relevant ingredients

#### **Conclusion**

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

#### Respiratory or skin sensitisation

#### <u>Silirub LMN</u>

No (test)data on the mixture available

2-butanone oxime

Route of exposure	Result		Method	Exposu	re time	Observation time point	Species	Value determination Remark
Skin	Sensitizi	ng	Equivalent to OECD 406	24 h		24; 48 hours	Guinea pig (female)	Experimental value
drocarbons, C13-C2	23, n-alka	anes, isoa	lkanes, cyclics, <0.03%	% aroma	tics			
Route of exposure	Result		Method	Exposu	re time	Observation time point	Species	Value determination Remark
Skin	Not sens	sitizing	OECD 406	24 h		24; 48 hours	Guinea pig (female)	Read-across
Skin	Not sens	sitizing	Other	216 h		24; 48 hours	Human (male/female)	Experimental value
for revision: 3.2						P	ublication date: 2	2007-03-26
						C C	ate of revision: 2	015-11-26

Judgement is based on the relevant ingredients **Conclusion** 

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

#### Specific target organ toxicity

#### <u>Silirub LMN</u>

No (test)data on the mixture available

#### 2-butanone oxime

Route of exposure	Param	eter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	LOAEL		US EPA	40 mg/kg bw/day	General	Clinical signs; mortality; body weight; food consumption	13 weeks (5 days/week)	Rat (male/female)	Experimental value
Oral	NOAEL		US EPA	< 40 mg/kg bw/day	Blood	Change in the haemogramme/ blood composition	13 weeks (5 days/week)	Rat (male/female)	Experimental value
Oral	NOEL		US EPA	125 mg/kg bw/day	Central nerv system	vous Behavioural disturbances	13 weeks (5 days/week)	Rat (male/female)	Experimental value
Oral	NOAEL		US EPA	312 ppm	Blood	Change in the haemogramme/ blood composition	13 week(s)	Rat (female)	Experimental value
Oral	NOAEL		US EPA	625 ppm	Blood	Change in the haemogramme/ blood composition	13 week(s)	Rat (male)	Experimental value
Inhalation (vapours)	NOAEC	2	Equivalent to OECD 412	90 mg/m³ air	Blood	Change in the haemogramme/ blood composition	4 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Irocarbons, C13-C23	, n-alka	ines, is	oalkanes, cyclic	s, <0.03% aroma	<u>tics</u>				
Route of exposure	Param	eter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	NOAEL		Equivalent to OECD 408	≥ 5000 mg/kg bw/day		No effect	13 weeks (daily)	Rat (male/female)	Read-across
Inhalation	NOAEC	2	Equivalent to	> 10400 mg/m <sup>3</sup>		No effect	13 weeks (6h/day, 5	Rat (male/female)	Read-across

OECD 413 (vapours) Judgement is based on the relevant ingredients

air

Conclusion

Not classified for subchronic toxicity

#### Mutagenicity (in vitro)

#### Silirub LMN

No (test)data on the mixture available

#### 2-butanone oxime

2.00	atanone oxime				
	Result	Method	Test substrate	Effect	Value determination
	Ambiguous	Equivalent to OECD 476	Mouse (lymphoma L5178Y		Experimental value
			cells)		
	Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value
	Negative	Equivalent to OECD 482	Rat liver cells		Experimental value
hyd	rocarbons, C13-C23, n-alkane	es, isoalkanes, cyclics, <0.03% aroma	itics		
	Result	Method	Test substrate	Effect	Value determination
	Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value

(male/female)

days/week)

#### Mutagenicity (in vivo)

#### <u>Silirub LMN</u>

No (test)data on the mixture available

2-butanone oxim

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Other	<mark>3 day</mark> (s)	Drosophila melanogaster	Male reproductive	Experimental value
			(male)	organ	
Negative	Other		Rat (male/female)		Experimental value
for revision: 3.2			Publication date	e: 2007-03-26	
			Date of revision	: 2015-11-26	

hyd	rocarbons, C13-C23, n-alka	nes, isoalk	anes, cyclics, <0.03% a	aroma	<u>tics</u>					
	Result		Method	Exposure time			Test substrate	Orga	n	Value determination
	Negative		Equivalent to OECD 483	8 weeks (6h/day, 5 I days/week)		y, 5	Mouse (male)			Read-across
	Negative		Equivalent to OECD 475				Rat (male/female)			Read-across
	Negative		Equivalent to OECD 474				Mouse (male/female)			Read-across

#### Carcinogenicity

Silirub LMN

No (test)data on the mixture available

<u>2-k</u>

butanone oxime									
Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination	
Inhalation (vapours)	NOAEC	Other	270 ppm	13 weeks (6h/day, 5 days/week) - 78 weeks (6h/day, 5 days/week)	Mouse (male)	Histopathological changes	Liver	Experimental value	
Inhalation (vapours)	NOAEC	Other	1350 ppm	13 weeks (6h/day, 5 days/week) - 78 weeks (6h/day, 5 days/week)	Mouse (female)	Histopathological changes	Liver	Experimental value	
Inhalation (vapours)	NOAEC	Other	270 ppm	13 weeks (6h/day, 5 days/week) - 113 weeks (6h/day, 5 days/week)	Rat (male)	Histopathological changes	Liver	Experimental value	
Inhalation (vapours)	NOAEC	Other	1350 ppm	13 weeks (6h/day, 5 days/week) - 113 weeks (6h/day, 5 days/week)	Rat (male)	Histopathological changes	Liver	Experimental value	

#### Reproductive toxicity

#### Silirub LMN

No (test)data on the mixture available

2 hutonono	ovina
2-butanone	oxime

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
								determination
Developmental toxicity	NOAEL (F1)	OECD 414	<mark>600 mg</mark> /kg	10 day(s)	Rat	No effect		Experimental
			bw/day					value
	LOAEL (P)	OECD 414	60 mg/kg	10 day(s)	Rat	Spleen	Spleen	Experimental
			bw/day			enlargement/aff		value
						ection		
Effects on fertility	NOAEL	US EPA	<mark>≥ 200 m</mark> g/kg/d		Rat			Experimental
					(male/female)			value

#### hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	> 1000 mg/kg bw/day	10 day(s)	Rat	No effect		Experimental value
Effects on fertility	NOAEC	Equivalent to OECD 416	≥ 1500 ppm	13 weeks (6h/day, 5 days/week)	Rat (male/female)	No effect		Read-across
	NOAEC	Equivalent to OECD 421	≥ 300 ppm	8 weeks (6h/day, 5 days/week)	Rat (male/female)	No effect		Read-across
	NOAEL	Equivalent to OECD 422	> 1000 mg/kg bw/day	6 weeks (daily)	Rat (male/female)	No effect		Read-across

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

#### Toxicity other effects

Silirub LMN No (test)data on the mixture available

Chronic effects from short and long-term exposure

Reason for revision: 3.2

Publication date: 2007-03-26 Date of revision: 2015-11-26

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

### SECTION 12: Ecological information

### 12.1. Toxicity

#### <u>Silirub LMN</u>

No (test)data on the mixture available

#### 2-butanone oxime

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 100 mg/l	96 h	Oryzias latipes	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity invertebrates	EC50	OECD 202	201 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EC50	OECD 201	11.8 mg/l	72 h	Selenastrum capricornutum	Static system	Fresh water	Experimental value; GLP
	NOEC	OECD 201	2.56 mg/l	72 h	Selenastrum capricornutum	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish	NOEC	OECD 204	≥ 100 mg/l	14 day(s)	Oryzias latipes	Flow-through system	Fresh water	Experimental value; GLP
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	≥ 100 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
ydrocarbons, C13-C23, n-alkanes	s, isoalkanes, o	cyclics, <0.03%	aromatics					
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determination

		Parameter	ivietnoa	value	Duration	species	rest design	water	value determination
Acute toxicity fishes		LC50	OECD 203	> 1028 mg/l	96 h	Scophthalmus maximus			Experimental value
Acute toxicity invertebrates		LC50	Other	<mark>&gt; 319</mark> 3 mg/l	48 h	Acartia tonsa			Experimental value
Toxicity algae and other aqua plants	atic	ErC50	ISO 10253	> 10000 mg/l	72 h	Skeletonema costatum			Experimental value
Long-term toxicity fish		NOEL		> 1000 mg/l	28 day(s)	Oncorhynchus mykiss			QSAR
Long-term toxicity aquatic invertebrates		NOEL		> 1000 mg/l	21 day(s)	Daphnia magna			QSAR
Toxicity aquatic micro- organisms		EC50	OECD 209	> 100 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value

Judgement of the mixture is based on the relevant ingredients

#### **Conclusion**

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

#### 12.2. Persistence and degradability

hydrocarbons,	C13-C23,	n-alkanes,	isoalkanes,	cyclics,	<0.03% aromatics

Biodegradation water			
Method	Value	Duration	Value determination
OECD 306: Biodegradability in Seawater	74 %	28 day(s)	Experimental value
Phototransformation water (DT50 water)			
Method	Value	Conc. OH-radicals	Value determination
	; No effect		
Half-life soil (t1/2 soil)			
Method	Value	Primary	Value determination
		degradation/mineralisation	
	; No effect		

Conclusion Contains readily biodegradable component(s)

#### 12.3. Bioaccumulative potential

Log Kow						
Method	Remark	Value T		Temperature	Value determination	
	Not applicable (mixture)					
Reason for revision: 3.2				Publication date: 200 Date of revision: 201	7-03-26 5-11-26	
Revision number: 0402				Product number: 450	06	8/12

<u>2-butanone oxime</u>									
BCF fishes									
Parameter	Method		Value	Dur	ation	Species			Value determination
BCF	OECD 305		0.5 - 5.8	42 c	ay(s)	Cyprinus carpio			Experimental value
Log Kow									
Method		Remark		Valu	ie	Temper	ature	Va	ue determination
OECD 117				0.63				Exp	perimental value
hydrocarbons, C13-C23	, n-alka <mark>ne</mark> s	s, isoalkan	es, cyclics, <0.0	3% aroma	ics.				
Log Kow									
Method		Remark		Valu	Value		Temperature Va		lue determination
		No data a	available						
Conclusion									
No bioaccumulation dat	ta avail <mark>abl</mark>	e							
12.4. Mobility in soi	i 👘								
2-butanone oxime									
(log) Koc									
Parameter					Viethod		Value	N	alue determination
log Koc					SRC PCKOCWIN v	2.0	0.55	C	SAR

hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

#### Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	8.3 %		83.2 %	7.4 %	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

#### <u>Silirub LMN</u>

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

#### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

#### 2-butanone oxime

Ground water

Ground water pollutant

#### SECTION 13: Disposal considerations

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

#### 13.1. Waste treatment methods

13.1.1 Provisions relating to waste

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 Regulation (EU) No 1357/2014.

#### 13.1.2 Disposal methods

Dissolve or mix with a combustible solvent. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment.

#### 13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC). 15 01 02 (plastic packaging).

### SECTION 14: Transport information

Road (ADR) 14.1. UN number	
Transport	Not subject
14.2. UN proper shipping name 14.3. Transport hazard class(es)	
Hazard identification number	
Class	
Classification code	
Reason for revision: 3.2	Publication date: 2007-03-26
	Date of revision: 2015-11-26

14.4 Packing group	
Packing group	
14 E. Environmental bazarde	
Environmentally bazardous substance mark	ha
14.6 Special proceptions for user	
14.0. Special prevacions for user	
Special provisions	
Rail (RID)	
14.1. UN number	
Transport	Not subject
14.2 LIN proper chipping pame	
14.2. ON proper shipping hame	
14.3. Hansport hazard class(es)	
Hazard identification number	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	
Limited quantities	
Inland waterwaye (ADN)	
Inland water ways (ADN)	
14.1. UN number	
Transport	Not subject
14.2. UN proper shipping na <mark>me</mark>	
14.3. Transport hazard class(es)	
Class	
Classification code	
14.4. Packing group	
Packing group	
l abels	
14.5 Environmental bazards	
Environmentally bazardous substance mark	no
14.6 Special precautions for user	
Special provisions	
l imited quantities	
Sea (IMDG/IMSBC)	
14.1. UN number	
Transport	Not subject
14.2. UN proper shipping name	
14.3. Transport hazard class(es)	
Class	
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14.4. Packing group	
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14.4. Packing group         Packing group         Labels         14.5. Environmental hazards         Marine pollutant         Environmentally hazardous substance mark         14.6. Special precautions for user         Special provisions         Limited quantities         14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78	d the IBC Code
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14.4. Packing group         Packing group         Labels         14.5. Environmental hazards         Marine pollutant         Environmentally hazardous substance mark         14.6. Special precautions for user         Special provisions         Limited quantities         14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78         Air (ICAO-TI/IATA-DGR)         14.1. UN number         Transport         14.2. UN proper shipping name         14.3. Transport hazard class(es)	d the IBC Code
14.4. Packing group         Packing group         Labels         14.5. Environmental hazards         Marine pollutant         Environmentally hazardous substance mark         14.6. Special precautions for user         Special provisions         Limited quantities         14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78         Air (ICAO-TI/IATA-DGR)         14.1. UN number         Transport         14.2. UN proper shipping name         14.3. Transport hazard class(es)         Class	d the IBC Code
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14.4. Packing group         Packing group         Labels         14.5. Environmental hazards         Marine pollutant         Environmental hazardous substance mark         14.6. Special precautions for user         Special provisions         Limited quantities         14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78         Air (ICAO-TI/IATA-DGR)         14.1. UN number         Transport         14.2. UN proper shipping name         14.3. Transport hazard class(es)         Class         14.4. Packing group         Packing group	d the IBC Code
14.4. Packing group Packing group Labels 14.5. Environmental hazards Marine pollutant Environmentally hazardous substance mark 14.6. Special precautions for user Special precautions for user Special provisions Limited quantities 14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78 Air (ICAO-TI/IATA-DGR) 14.1. UN number Transport 14.2. UN proper shipping name 14.3. Transport hazard class(es) Class 14.4. Packing group Labels	d the IBC Code
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14.4. Packing group         Packing group         Labels         14.5. Environmental hazards         Marine pollutant         Environmentally hazardous substance mark         14.6. Special precautions for user         Special provisions         Limited quantities         14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78         Air (ICAO-TI/IATA-DGR)         14.1. UN number         Transport         14.2. UN proper shipping name         14.3. Transport hazard class(es)         Class         14.4. Packing group         Packing group         Labels	A contraction date: 2007-03-26
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14.4. Packing group         Packing group         Labels         14.5. Environmental hazards         Marine pollutant         Environmentally hazardous substance mark         14.6. Special precautions for user         Special provisions         Limited quantities         14.7. Transport in bulk according to Annex II of Marpol and Annex II of MARPOL 73/78         Air (ICAO-TI/IATA-DGR)         14.1. UN number         Transport         14.2. UN proper shipping name         14.3. Transport hazard class(es)         Class         14.4. Packing group         Packing group         Labels	d the IBC Code  Not subject  Publication date: 2007-03-26 Date of revision: 2015-11-26

	Jili ub	
14.5. Environmental hazards		
Environmentally hazardous s	ubstance mark	no
14.6. Special precautions for user	r	
Special provisions		
Passenger and cargo transpo	rt: limited quantities: maximum net quantity	
per packaging		
CTION 15: Regulatory	information	
15.1. Safety, health and envi	ronmental regulations/legislation	specific for the substance or mixture
	5 5	
Luiopean legislation.	1-1-1	
VOC content Directive 2010/75	/E0	
voc content		Remark
< 10 g/l		
< 10 g/1		
REACH Annex XVII - Restrictio	in	
Contains component(s) su	ubject to restrictions of Annex XVII of Regula	tion (EC) No 1907/2006: restrictions on the manufacture, placing on the mark
· 2-butanone oxime	liquid substances or mixtures which are	1. Shall not be used in:
· hydrocarbons, C13-C23, n-alkanes,	regarded as dangerous in accordance with	<ul> <li>ornamental articles intended to produce light or colour effects by means of different</li> </ul>
isoalkanes, cyclics, <0.03% aromatics	Directive 1999/45/EC or are fulfilling the	phases, for example in ornamental lamps and ashtrays,
	criteria for any of the following hazard classes	<ul> <li>tricks and jokes,</li> <li>games for one or more participants, or any article intended to be used as such even.</li> </ul>
	(EC) No 1272/2008:	ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the
	(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8	market.3. Shall not be placed on the market if they contain a colouring agent, unless
	types A and B, 2.9, 2.10, 2.12, 2.13 categories 1	required for fiscal reasons, or perfume, or both, if they:
	and 2, 2.14 categories 1 and 2, 2.15 types A to	— can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration bazard and are labelled with R65 or H304.4. Decorative oil lamps
	(b) hazard classes 3.1 to 3.6, 3.7 adverse	for supply to the general public shall not be placed on the market unless they conform t
	effects on sexual function and fertility or on	the European Standard on Decorative oil lamps (EN 14059) adopted by the European
	development, 3.8 effects other than narcotic	Committee for Standardisation (CEN).5. Without prejudice to the implementation of ot
	effects, 3.9 and 3.10;	Community provisions relating to the classification, packaging and labelling of dangerou
	(d) hazard class 5.1.	following requirements are met:
	(-,	a) lamp oils, labelled with R65 or H304, intended for supply to the general public are vis
		legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the rea
		children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps."
		b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public
		legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter m
		lead to life threatening lung damage";
		c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the gene public are packaged in black apague containers not avcording 1 litre by 1 December 20
		No later than 1 June 2014, the Commission shall request the European Chemicals Agend
		prepare a dossier, in accordance with Article 69 of the present Regulation with a view to
		ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H30
		intended for supply to the general public.7. Natural or legal persons placing on the mar
		December 2011, and annually thereafter, provide data on alternatives to lamp oils and
		lighter fluids labelled R65 or H304 to the competent authority in the Member State
		concerned. Member States shall make those data available to the Commission.'
National legislation The Netherl	ands	
Silirub I MN	1103	
Waste identification (the	LWCA (the Netherlands): KGA category 0	)5
Netherlands)		
Waterbezwaarlijkheid	11	
National legislation Germany		
Silirub LMN		
WGK	1; Classification water polluting based or Stoffe ()(w)(wS) of 27 July 2005 (Appage	the components in compliance with Verwaltungsvorschrift wassergefährder 4)
2-butanone oxime	Stone (VWVWS) of 27 July 2005 (Annang	4)
MAK - Krebserzeugend	2	
Kategorie		
TA-Luft	5.2.5; I	
National legislation France		
Silirub LMN		
No data available		
National legislation Polaium		
Siliruh I MN		
No data available		
son tor revision: 3.2		Publication date: 2007-03-26
		Date of revision: 2015-11-26
		Deadland in the second
sion number: 0402		Product number: 45006 11 /

Other relevant data Silirub LMN

No data available

#### 15.2. Chemical safety assessment

No chemical safety assessment is required.

#### SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.H317 May cause an allergic skin reaction.

H317 May cause an allergic skin react H318 Causes serious eye damage.

H351 Suspected of causing cancer.

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

Reason for revision: 3.2

Publication date: 2007-03-26 Date of revision: 2015-11-26

Revision number: 0402