

**Silirub N****1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation:**

Product name : Silirub N

**1.2 Use of the substance/preparation:**

Sealing compound

**1.3 Company/undertaking identification:**

SODAL N.V.  
Everdongenlaan 18-20  
B-2300 Turnhout  
Tel: +32 14 42 42 31  
Fax: +32 14 44 39 71  
e-mail address: msds@soudal.com

**1.4 Emergency telephone:**

+32 14 58 45 45 (24/24 h)  
Information centre on dangerous goods (BIG)  
Technische Schoolstraat 43 A, B-2440 Geel, Belgium

**2. Hazards identification**

- May produce an allergic reaction

**3. Composition/information on ingredients**

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. (%)	Hazards (R-phrases)	Hazard symbol
gas oil, not specified (conc benzene < 0.1%)	64742-46-7 265-148-2	>10	65-66 (1)(2) (Labelling in compliance with CONCAWE)	Xn
2-butanone, O,O',O''- (methylsilylidyne)trioxime	22984-54-9 245-366-4	0.1 - <1	36/38-43 (1)	Xi
2-butanone oxime	96-29-7 202-496-6	0.1 - <1	21-40-41-43 (1)	Xn

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

(2) Substance with a Community workplace exposure limit

(3) PBT-substance

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Technische Schoolstraat 43 A, B-2440 Geel  
☎ +32 14 58 45 47 <http://www.big.be> e-mail address: info@big.be

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# Silirub N

## 4. First aid measures

- 4.1 After inhalation:**
- Remove the victim into fresh air
  - Respiratory difficulties: consult a doctor/medical service
- 4.2 Skin contact:**
- Rinse immediately with plenty of water
  - Soap may be used
  - Take victim to a doctor if irritation persists
- 4.3 Eye contact:**
- Rinse with water
  - Take victim to an ophthalmologist if irritation persists
- 4.4 After ingestion:**
- Rinse mouth with water
  - If you feel unwell: consult a doctor/medical service

## 5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Polyvalent foam
  - ABC powder
  - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- No data available
- 5.3 Special exposure hazards:**
- Not easily combustible
- 5.4 Instructions:**
- No specific fire-fighting instructions required
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
  - Protective clothing

## 6. Accidental release measures

- 6.1 Personal precautions:**
- see heading 8.2/13
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
- 6.3 Methods for cleaning up:**
- Shovel solid spill into closing drums
  - Clean contaminated surfaces with a soap solution
  - Wash clothing and equipment after handling

# Silirub N

## 7. Handling and storage

### 7.1 Handling:

- Observe strict hygiene

### 7.2 Storage:

- Keep container tightly closed
- Store in a dry area
  
- Keep away from: heat sources

Storage temperature : Room temperature  
Quantity limit : N.D. kg  
Storage life : 365 days  
Materials for packaging :

- suitable : plastic

### 7.3 Specific use(s):

- See information supplied by the manufacturer for the identified use(s)

## 8. Exposure controls/Personal protection

### 8.1 Exposure limit values:

#### 8.1.1 Occupational exposure:

GAS OIL, NOT SPECIFIED:

TLV-TWA	:	(5) (oilmist)	mg/m <sup>3</sup>	ppm
TLV-STEL	:	(10) (oilmist)	mg/m <sup>3</sup>	ppm
WEL-LTEL	:		mg/m <sup>3</sup>	ppm
WEL-STEL	:		mg/m <sup>3</sup>	ppm
TRGS 900	:		mg/m <sup>3</sup>	ppm
MAK	:		mg/m <sup>3</sup>	ppm
MAC-TGG 8 h	:	5 olienevel	mg/m <sup>3</sup>	
MAC-TGG 15 min.	:		mg/m <sup>3</sup>	
VME-8 h	:		mg/m <sup>3</sup>	ppm
VLE-15 min.	:		mg/m <sup>3</sup>	ppm
GWBB-8 h	:	5(olienevel)	mg/m <sup>3</sup>	- ppm
GWK-15 min.	:	10(olienevel)	mg/m <sup>3</sup>	- ppm
Momentary value	:		mg/m <sup>3</sup>	ppm
EC	:		mg/m <sup>3</sup>	ppm
EC-STEL	:		mg/m <sup>3</sup>	ppm

2-BUTANONE OXIME:

MAK	:	-	mg/m <sup>3</sup>	- ppm
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#### 8.1.2 Sampling methods:

- Oil Mist (Mineral)
- Oil Mist (Mineral)
- Oil Mist (Mineral)

NIOSH 5026  
OSHA ID 128  
OSHA ID 178SG

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## 8.2 Exposure controls:

### 8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

#### Personal protective equipment:

##### a) Respiratory protection:

- In case of insufficient ventilation: wear respiratory equipment

##### b) Hand protection:

- Gloves

##### c) Eye protection:

- Safety glasses

##### d) Skin protection:

- Protective clothing

### 8.2.2 Environmental exposure controls: see heading 6.2, 6.3 and 13

## 9. Physical and chemical properties

### 9.1 General information:

Appearance (at 20°C)	: Paste
Odour	: Characteristic
Colour	: Variable in colour

### 9.2 Important health, safety and environmental information:

pH value (at 20°C)	: N.D.	
Boiling point/boiling range	: N.D.	°C
Flashpoint/flammability	: > 120	°C
Explosion limits (explosive properties)	: N.D.	Vol%
Oxidising properties	: N.D.	
Vapour pressure (at 20°C)	: N.D.	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: 0.97	
Water solubility	: Insoluble	
Soluble in	: No data available	
Relative vapour density	: N.D.	
Viscosity (at °C)	: N.D.	Pa.s
Flow time Ø(3 mm) (according to ISO 2431)	: > 30	s
Partition coefficient n-octanol/water	: N.D.	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: N.D.	

### 9.3 Other information:

Melting point/melting range	: N.D.	°C
Auto-ignition point	: N.D.	°C
Saturation concentration	: N.D.	g/m <sup>3</sup>
Specific conductivity	: N.D.	pS/m

## 10. Stability and reactivity

### 10.1 Conditions to avoid:

- Stable under normal conditions

### 10.2 Materials to avoid:

- Keep away from: heat sources

### 10.3 Hazardous decomposition products:

- On burning release of CO, CO<sub>2</sub> and small quantities of nitrous vapours

## 11. Toxicological information

### 11.1 Acute toxicity:

BUTANONE, O,O',O''-(METHYLSILYLIDYNE)TRIOXIME:

LD50 oral rat : 2250 mg/kg

2-BUTANONE OXIME:

LD50 oral rat : > 930 mg/kg  
LD50 dermal rabbit : > 2000 mg/kg  
LC50 inhalation rat : 20 mg/l/4 h

### 11.2 Chronic toxicity:

2-BUTANONE OXIME:

EC carc. cat. : 3  
EC muta. cat. : not listed  
EC repr. cat. : not listed

Carcinogenicity (TLV) : not listed  
Carcinogenicity (MAC) : not listed  
Carcinogenicity (VME) : not listed  
Carcinogenicity (GWBB) : not listed

Carcinogenicity (MAK) : category 2  
Mutagenicity (MAK) : not listed  
Teratogenicity (MAK) : Group -

IARC classification : not listed

11.3 Routes of exposure: ingestion, inhalation, eye and skin

### 11.4 Acute effects/symptoms:

- No data available

### 11.5 Chronic effects:

- May produce an allergic reaction
- Contains traces of a (possibly) fertility impairing substance
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)

ON CONTINUOUS EXPOSURE/CONTACT:

- Skin rash/inflammation

## 12. Ecological information

### 12.1 Ecotoxicity:

#### 2-BUTANONE OXIME:

- LC50 (96 h) : 48 mg/l (LEPOMIS MACROCHIRUS)
- EC50 (48 h) : 750 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 83 mg/l (SCENEDESMUS SUBSPICATUS)

- **Effect on waste water purification** : No data available

### 12.2 Mobility:

- **Volatile organic compounds (VOC):** 0%
- Insoluble in water

For other physicochemical properties see heading 9

### 12.3 Persistence and degradability:

- |   |   |                   |        |
|---|---|-------------------|--------|
| - <b>Biodegradation BOD<sub>5</sub></b> | : | N.D.              | % ThOD |
| - <b>Water</b>                          | : | No data available |        |
| - <b>Soil</b>                           | : | N.D.              | days   |

### 12.4 Bioaccumulative potential:

- **log P<sub>ow</sub>** : N.D.
- **BCF** : N.D.
- Contains not readily biodegradable component(s)

### 12.5 Results of PBT assessment:

- Not applicable, on the basis of the available data

### 12.6 Other adverse effects:

- **WGK** : 1 (classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (1999/45/EC)
- **Greenhouse effect** : No data available

## 13. Disposal considerations

### 13.1 Provisions relating to waste:

- Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 10 (waste adhesives and sealants other than those mentioned in 08 04 09)

### 13.2 Disposal methods:

- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery
- Do not discharge into drains or the environment

### 13.3 Packaging:

- Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02 (plastic packaging)

**14. Transport information**

- 14.1 Classification of the substance in compliance with UN Recommendations
  - UN number : -
  - CLASS : NOT SUBJECT
  - SUB RISKS :
  - PACKING GROUP :
- 14.2 ADR (transport by road)
  - CLASS : NOT SUBJECT
  - PACKING GROUP :
  - CLASSIFICATION CODE :
  - DANGER LABEL TANKS :
  - DANGER LABEL PACKAGES :
  - PROPER SHIPPING NAME :
- 14.3 RID (transport by rail)
  - CLASS : NOT SUBJECT
  - PACKING GROUP :
  - CLASSIFICATION CODE :
  - DANGER LABEL TANKS :
  - DANGER LABEL PACKAGES :
  - PROPER SHIPPING NAME :
- 14.4 ADNR (inland navigation)
  - CLASS : NOT SUBJECT
  - PACKING GROUP :
  - CLASSIFICATION CODE :
  - DANGER LABEL TANKS :
  - DANGER LABEL PACKAGES :
- 14.5 IMDG (maritime transport)
  - CLASS : NOT SUBJECT
  - SUB RISKS :
  - PACKING GROUP :
  - MFAG :
  - EMS :
  - MARINE POLLUTANT :
- 14.6 ICAO (air freight)
  - CLASS : NOT SUBJECT
  - SUB RISKS :
  - PACKING GROUP :
  - PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
  - PACKING INSTRUCTIONS CARGO AIRCRAFT :
- 14.7 Special precautions : Not restricted for any mode of international transport

**15. Regulatory information**

15.1 EU Legislation:

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

Contains 2-butanone oxime en 2-butanone, 0,0',0''-(methylsilylidyne)trioxime. May produce an allergic reaction

## 15.2 National provisions:

### the Netherlands:

Waterbezwaarlijkheid: N.D.

### Germany:

Wassergefährdungsklasse

WGK : 1 (classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

## 16. Other information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**N.A.** = NOT APPLICABLE  
**N.D.** = NOT DETERMINED  
**(\*)** = INTERNAL CLASSIFICATION (NFPA)

**PBT-substances** = persistent, bioaccumulative and toxic substances

### Exposure limits:

**TLV** : Threshold Limit Value - ACGIH US  
**WEL** : Workplace Exposure Limits - United Kingdom  
**TRGS 900** : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany  
**MAK** : Maximale Arbeitsplatzkonzentrationen - Germany  
**MAC** : Maximale aanvaarde concentratie - the Netherlands  
**VME** : Valeurs limites de Moyenne d'Exposition - France  
**VLE** : Valeurs limites d'Exposition à court terme - France  
**GWBB** : Grenswaarde beroepsmatige blootstelling - Belgium  
**GWK** : Grenswaarde kortstondige blootstelling - Belgium  
**EC** : Indicative occupational exposure limit values - directive 2000/39/EC

**I** : Inhalable fraction = **T** : Total dust = **E** : Einatembarer Aerosolanteil  
**R** : Respirable fraction = **A** : Alveolengängiger Aerosolanteil/Alveolar dust  
**C** : Ceiling limit

<b>a:</b>	aerosol	<b>r:</b>	rook/Rauch	(fume)
<b>d:</b>	damp (vapour)	<b>st:</b>	stof/Staub	(dust)
<b>du:</b>	dust	<b>ve:</b>	vezel	(fibre)
<b>fa:</b>	Faser (fibre)	<b>va:</b>	vapour	
<b>fi:</b>	fibre	<b>om:</b>	oil mist	
<b>fu:</b>	fume	<b>on:</b>	olienevel/Ölnebel	(oil mist)
<b>p:</b>	poussière (dust)	<b>part:</b>	particles	

### Chronic toxicity:

**K** : List of the carcinogenic substances and processes - The Netherlands

### Full text of any R-phrases referred to under headings 2 and 3:

R21 : Harmful in contact with skin  
R36/38 : Irritating to eyes and skin  
R40 : Possible risks of irreversible effects  
R41 : Risk of serious damage to eyes  
R43 : May cause sensitization by skin contact  
R65 : Harmful: may cause lung damage if swallowed  
R66 : Repeated exposure may cause skin dryness or cracking