

Silirub 2S

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

1.1. Product identifier

Product name : Silirub 2S
 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

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 ☎ +32 14 42 42 31
 ☐ +32 14 42 65 14
 msds@soudal.com

Manufacturer of the product

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 ☎ +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

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

2.2. Label elements

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

Supplemental information

EUH208 Contains: 3-aminopropyltriethoxysilane; 2-butanone oxime. May produce an allergic reaction.

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

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% | Carc. 2; H351 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317 | (1)(10) | Reaction product |

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

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, seek medical advice.

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

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

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

Gloves. Protective clothing.

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 equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

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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.

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 manufacturer.

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.

Germany

| | | |
|-------------|---|---------------------|
| Butanonoxim | Time-weighted average exposure limit 8 h (TRGS 900) | 0.3 ppm |
| | Time-weighted average exposure limit 8 h (TRGS 900) | 1 mg/m ³ |

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

DNEL/DMEL - Workers

2-butanone oxime

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|---------------------------------------|------------------------|--------|
| DNEL | Long-term systemic effects inhalation | 9 mg/m ³ | |
| | Long-term local effects inhalation | 3.33 mg/m ³ | |
| | Long-term systemic effects dermal | 1.3 mg/kg bw/day | |
| | Acute systemic effects dermal | 2.5 mg/kg bw/day | |

DNEL/DMEL - General population

2-butanone oxime

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|---------------------------------------|-----------------------|--------|
| DNEL | Long-term systemic effects inhalation | 2.7 mg/m ³ | |
| | Long-term local effects inhalation | 2 mg/m ³ | |
| | Long-term systemic effects dermal | 0.78 mg/kg bw/day | |
| | Acute systemic effects dermal | 1.5 mg/kg bw/day | |

PNEC

2-butanone oxime

| Compartments | Value | Remark |
|------------------------------|------------|--------|
| Fresh water | 0.256 mg/l | |
| Aqua (intermittent releases) | 0.118 mg/l | |
| STP | 177 mg/l | |

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 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. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

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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

| | |
|---------------------------|--|
| Physical form | Paste |
| Odour | Characteristic odour |
| Odour threshold | No data available |
| Colour | Variable in colour, depending on the composition |
| Particle size | No data available |
| Explosion limits | No data available |
| Flammability | Not easily combustible |
| Log Kow | Not applicable (mixture) |
| Dynamic viscosity | No data available |
| Kinematic viscosity | No data available |
| Melting point | No data available |
| Boiling point | No data available |
| Flash point | > 200 °C |
| Evaporation rate | No data available |
| Relative vapour density | No data available |
| Vapour pressure | No data available |
| Solubility | water ; insoluble |
| Relative density | > 1.0 |
| Decomposition temperature | No data available |
| Auto-ignition temperature | No data available |
| Explosive properties | No chemical group associated with explosive properties |
| Oxidising properties | No chemical group associated with oxidising properties |
| pH | No data available |

9.2. Other information

| | |
|------------------|--------------------------|
| Surface tension | No data available |
| Absolute density | > 1000 kg/m ³ |

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 and formation of metallic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

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No (test) data on the mixture available

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2-butanone oxime

| Route of exposure | Parameter | 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 | |

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Silirub 2S

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|-------------------|----------------|----------|---------------|------------|---------|---------------------|--------|
| | Not irritating | OECD 437 | | | | Experimental value | |
| | Not irritating | | | | | Expert judgement | |

2-butanone oxime

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|-------------------|--------------------|------------------------|---------------|--------------|---------|---------------------|------------------|
| Eye | Serious eye damage | Equivalent to OECD 405 | | 24; 72 hours | Rabbit | Experimental value | Single treatment |
| Skin | Irritating | Other | 3 minutes | | Rabbit | Experimental value | |

In the light of practical experience, the classification for this mixture is less stringent than the one based on the calculation set out

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

Silirub 2S

No (test) data on the mixture available

2-butanone oxime

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|-------------------|-------------|------------------------|---------------|------------------------|---------------------|---------------------|--------|
| Skin | Sensitizing | Equivalent to OECD 406 | 24 h | 24; 48 hours | Guinea pig (female) | Experimental value | |

Judgement is based on the relevant ingredients

Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

Specific target organ toxicity

Silirub 2S

No (test) data on the mixture available

Silirub 2S

2-butanone oxime

| Route of exposure | Parameter | 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 nervous system | 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 | Equivalent to OECD 412 | 90 mg/m ³ air | Blood | Change in the haemogramme/ blood composition | 4 weeks (6h/day, 5 days/week) | Rat (male/female) | Experimental value |

Judgement is based on the relevant ingredients

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

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No (test)data on the mixture available

2-butanone oxime

| Result | Method | Test substrate | Effect | Value determination |
|-----------|------------------------|-----------------------------------|--------|---------------------|
| Ambiguous | Equivalent to OECD 476 | Mouse (lymphoma L5178Y cells) | | Experimental value |
| Negative | Equivalent to OECD 471 | Bacteria (<i>S.typhimurium</i>) | | Experimental value |
| Negative | Equivalent to OECD 482 | Rat liver cells | | Experimental value |

Mutagenicity (in vivo)

Silirub 2S

No (test)data on the mixture available

2-butanone oxime

| Result | Method | Exposure time | Test substrate | Organ | Value determination |
|----------|--------|---------------|---------------------------------------|-------------------------|---------------------|
| Negative | Other | 3 day(s) | <i>Drosophila melanogaster</i> (male) | Male reproductive organ | Experimental value |
| Negative | Other | | Rat (male/female) | | Experimental value |

Carcinogenicity

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No (test)data on the mixture available

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2-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 2S

No (test) data on the mixture available

2-butanone oxime

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

Toxicity other effects

Silirub 2S

No (test) data on the mixture available

Chronic effects from short and long-term exposure

Silirub 2S

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

SECTION 12: Ecological information

12.1. Toxicity

Silirub 2S

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 |

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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

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

Silirub 2S

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|--------------------------|-------|-------------|---------------------|
| | Not applicable (mixture) | | | |

2-butanone oxime

BCF fishes

| Parameter | Method | Value | Duration | Species | Value determination |
|-----------|----------|-----------|-----------|-----------------|---------------------|
| BCF | OECD 305 | 0.5 - 5.8 | 42 day(s) | Cyprinus carpio | Experimental value |

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|----------|--------|-------|-------------|---------------------|
| OECD 117 | | 0.63 | | Experimental value |

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

2-butanone oxime

(log) Koc

| Parameter | Method | Value | Value determination |
|-----------|-------------------|-------|---------------------|
| log Koc | SRC PCKOCWIN v2.0 | 0.55 | QSAR |

Conclusion

Contains component(s) with potential for mobility in the soil
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 2S

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

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.

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 |
|-----------|-------------|

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14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|------------------------------|--|
| Hazard identification number | |
| Class | |
| Classification code | |

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 | |

Rail (RID)

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 | |

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 waterways (ADN)

14.1. UN number

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|---------------------|--|
| Class | |
| Classification code | |

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 | |

Sea (IMDG/IMSBC)

14.1. UN number

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|-------|--|
| Class | |
|-------|--|

14.4. Packing group

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|--|----|
| Marine pollutant | - |
| Environmentally hazardous substance mark | no |

14.6. Special precautions for user

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | |

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

| | |
|--------------------------|--|
| Annex II of MARPOL 73/78 | |
|--------------------------|--|

Air (ICAO-TI/IATA-DGR)

14.1. UN number

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2. UN proper shipping name

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14.3. Transport hazard class(es)

| | |
|-------|--|
| Class | |
|-------|--|

14.4. Packing group

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6. Special precautions for user

| | |
|---|--|
| Special provisions | |
| Passenger and cargo transport: limited quantities: maximum net quantity per packaging | |

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 | Remark |
|-------------|--------|
| < 2.544 % | |
| 25.44 g/l | |

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.

| | | |
|------------------|---|--|
| 2-butanone oxime | Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) 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; (c) hazard class 4.1; (d) hazard class 5.1. | 1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — 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 market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — 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 Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage"; b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010. 6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to 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 H304, intended for supply to the general public. 7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill 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.' |
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National legislation The Netherlands

Silirub 2S

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| Waste identification (the Netherlands) | LWCA (the Netherlands): KGA category 05 |
| Waterbezwaarlijkheid | 11 |

National legislation Germany

Silirub 2S

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| WGK | 1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4) |
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2-butanone oxime

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|--------------------------------|----------|
| MAK - Krebserzeugend Kategorie | 2 |
| TA-Luft | 5.2.5; I |

National legislation France

Silirub 2S

Reason for revision: 3

Publication date: 2014-11-19

Date of revision: 2015-11-23

Silirub 2S

No data available

National legislation Belgium

Silirub 2S

No data available

Other relevant data

Silirub 2S

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:

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

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

Publication date: 2014-11-19

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Revision number: 0003

Product number: 55058

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