

Silirub 2

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name: Silirub 2

1.2 Use of the substance/preparation:

Sealing compound

1.3 Company/undertaking identification:

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

1.4 Emergency telephone:

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

2. Hazards identification

DSD/DPD

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

Other hazards

May produce an allergic reaction

3. Composition/information on ingredients

| Name | CAS No EINECS/ELINCS | Conc. | Classification according to DSD/DPD | Classification according to CLP | Note |
|------------------|-------------------------|-----------|--|--|--------|
| 2-butanone oxime | 96-29-7 202-496-6 | 0.1%<C<1% | Carc. Cat. 3; R40 Xn; R21 Xi; R41 R43 | Carc. 2; H351 Flam. Liq. 3; H226 Acute Tox. 4*; H312 Eye Dam. 1; H318 Skin Sens. 1; H317 | (1)(2) |

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

(2) Substance with a Community workplace exposure limit

4. First aid measures

4.1 After inhalation:

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

4.2 Skin contact:

Wash immediately with lots 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
 Consult a doctor/medical service if you feel unwell

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5. Fire-fighting measures

5.1 Suitable extinguishing media:

Polyvalent foam
ABC powder
Carbon dioxide

5.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known

5.3 Special exposure hazards:

Temperature above flashpoint: higher fire/explosion hazard
On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide)

5.4 Instructions:

Dilute toxic gases with water spray

5.5 Special protective equipment for fire-fighters:

Gloves
Protective clothing
Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal precautions:

See heading 8.2

6.2 Environmental precautions:

Use appropriate containment to avoid environmental contamination
See heading 13

6.3 Methods for cleaning up:

Scoop solid spill into closing containers
Clean contaminated surfaces with a soap solution
Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:

Keep away from naked flames/heat
Observe strict hygiene
Keep container tightly closed

7.2 Storage:

Safe storage requirements:

Store in a dry area
Meet the legal requirements
Max. storage time: 1 year(s)

Keep away from:

No data available

Suitable packaging material:

synthetic material

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:

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods:

| Product name | Test | Number | Sampling method | Remark |
|-----------------------|------|--------|-----------------|--------|
| Methyl Ethyl Ketoxime | OSHA | CSI | | |

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8.2 Exposure controls:

8.2.1 Occupational exposure controls:

Carry operations in the open/under local exhaust/ventilation or with respiratory protection

Personal protective equipment:

a) Respiratory protection:

Respiratory protection not required in normal conditions

b) Hand protection:

Gloves

c) Eye protection:

Safety glasses

d) Skin protection:

Protective clothing

8.2.2 Environmental exposure controls:

See headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

| | |
|---------------|--|
| Physical form | Paste |
| Odour | Characteristic odour |
| Colour | Variable in colour, depending on the composition |

9.2 Important health, safety and environmental information:

| | |
|------------------|----------|
| Flashpoint | > 200 °C |
| Relative density | > 1.0 |

9.3 Other information:

10. Stability and reactivity

10.1 Conditions to avoid:

Possible fire hazard

heat sources

Stability

Stable under normal conditions

10.2 Materials to avoid:

No data available

10.3 Hazardous decomposition products:

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide)

11. Toxicological information

11.1 Acute toxicity:

No (test) data available

2-butanone oxime

| | |
|-----------------------|--------------|
| LD50 oral (rat) | > 930 mg/kg |
| LD50 dermal (rat) | > 2000 mg/kg |
| LC50 inhalation (rat) | 20 mg/l/4h |

11.2 Chronic toxicity:

Not listed in carcinogenicity class (IARC, EC, TLV, MAK)

Not listed in mutagenicity class (EC, MAK)

Not classified as toxic to reproduction (EC)

2-butanone oxime

| | |
|------------------------------|------------|
| EC carc cat | 3 |
| MAK - Krebszeugend Kategorie | 2 |
| MAK - Schwangerschaft Gruppe | - |
| CLP carc cat | category 2 |

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11.3 Acute effects/symptoms:

Inhalation:

Unlikely to cause harmful effects

Skin contact:

Unlikely to cause harmful effects

Eye contact:

Unlikely to cause harmful effects

Ingestion:

Unlikely to cause harmful effects

11.4 Chronic effects:

Skin rash/inflammation

12. Ecological information

12.1 Ecotoxicity:

2-butanone oxime

LC50 fishes

| species | value | duration (h) | remarks |
|---------------------|----------|--------------|---------------|
| ONCORHYNCHUS MYKISS | 693 mg/l | 96 h | STATIC SYSTEM |

EC50 Daphnia

| species | value | duration (h) | remarks |
|---------------|----------|--------------|---------|
| DAPHNIA MAGNA | 750 mg/l | 48 h | |

EC50 other aquatic organisms

| species | value | duration (h) | remarks |
|-------------------------|---------|--------------|---------|
| SCENEDESMUS SUBSPICATUS | 83 mg/l | 72 h | |

12.2 Mobility:

Volatile organic compounds (VOC)

1 %

Solubility in/reaction with water

Literature reports: insoluble in water

Substance sinks in water

12.3 Persistence and degradability:

Biodegradability in water: no data available

12.4 Bioaccumulative potential:

No bioaccumulation data available

12.5 Results of PBT assessment:

Not applicable, based on available data

12.6 Other adverse effects:

Not dangerous for the ozone layer (1999/45/EC)

13. Disposal considerations

13.1 Provisions relating to waste:

Waste material code (Directive 2008/98/EC, decision 2001/118/EC)

08 04 10 : waste adhesives and sealants other than those mentioned in 08 04 09

Depending on branch of industry and production process, also other EURAL codes may be applicable

Can be considered as non hazardous waste according to Directive 2008/98/EC

13.2 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

13.3 Packaging/Container:

Waste material code packaging (Directive 2008/98/EC)

15 01 02 : plastic packaging

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14. Transport information

ADR

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Hazard identification number | |
| Classification code | |
| Labels | |
| Environmentally hazardous substance mark | no |

RID

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Classification code | |
| Labels | |
| Environmentally hazardous substance mark | no |

ADN

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Classification code | |
| Labels | |
| Environmentally hazardous substance mark | no |

IMO

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Labels | |
| Marine pollutant | |
| Environmentally hazardous substance mark | no |

ICAO

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Labels | |
| Environmentally hazardous substance mark | no |

15. Regulatory information

15.1 EU Legislation:

DSD/DPD

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

Contains: 2-butanone oxime. May produce an allergic reaction.

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15.2 National provisions:

The Netherlands

Waterbezwaarlijkheid (for NL) 11
Waste identification other lists of waste materials LWCA (the Netherlands): KGA category 03

Germany

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

15.3 Specific community rules:

REACH Annex XVII - Restriction Contains component(s) included in 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

16. Other information

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. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.

(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

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

| | |
|-----|---|
| R21 | Harmful in contact with skin |
| R40 | Limited evidence of a carcinogenic effect |
| R41 | Risk of serious damage to eyes |
| R43 | May cause sensitisation by skin contact |

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

| | |
|------|--------------------------------------|
| H226 | Flammable liquid and vapour. |
| H312 | Harmful in contact with skin. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H351 | Suspected of causing cancer. |

Full text of any classes referred to under headings 2 and 3:

| | |
|------------|--------------------|
| Acute Tox. | Acute toxicity |
| Carc. | Carcinogenicity |
| Eye Dam. | Serious eye damage |
| Flam. Liq. | Flammable liquid |
| Skin Sens. | Skin sensitization |