# SAFETY DATA SHEET

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

# Soudabond RV61

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

### 1.1 Product identifier:

**Product name** : Soudabond RV61
**Registration number REACH** : Not applicable (mixture)
**Product type REACH** : Mixture

### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

**1.2.1 Relevant identified uses**

Sealing compound

**1.2.2 Uses advised against**

No uses advised against known

### 1.3 Details of the supplier of the safety data sheet:

**Supplier of the safety data sheet**

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

**Manufacturer of the product**

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

### 1.4 Emergency telephone number:

24h/24h (Telephone advice: English, French, German, Dutch):
+32 14 58 45 45 (BIG)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

**2.1.1 Classification according to Regulation EC No 1272/2008**

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

**2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC**

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

### 2.2 Label elements:

**Labelling according to Regulation EC No 1272/2008 (CLP)**

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

**Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)**

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

### 2.3 Other hazards:

**CLP**

No other hazards known

**DSD/DPD**

No other hazards known

## SECTION 3: Composition/information on ingredients

### 3.1 Substances:

Not applicable

### 3.2 Mixtures:

This mixture does not contain any notifiable substances

| Name<br>REACH Registration No | CAS No<br>EC No | Conc. (C) | Classification according to DSD/DPD | Classification according to CLP | Note | Remark |
|---|---|---|---|---|---|---|
| pyrithione zinc | 13463-41-7<br>236-671-3 | 0.01%<C<0.1% | T; R23<br>Xn; R22<br>Xi; R38 - 41<br>N; R50 | Acute Tox. 3; H331<br>Acute Tox. 3; H301<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400 | (1)(9) | Constituent |
| reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-<br>01-2119545465-35 | | 1%<C<5% | R52-53 | Aquatic Chronic 3; H412 | (1) | Constituent |

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

## 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:**

Rinse with 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

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 normal hygiene standards. 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.

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 - Workers**

pyrithione zinc

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|---|---|---|---|
| DNEL | Long-term systemic effects dermal | 0.01 mg/kg bw/day | |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide,

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|---|---|---|---|
| DNEL | Acute systemic effects inhalation | 3 mg/m³ | |
| | Acute local effects dermal | 11.2 mg/cm² | |
| | Acute local effects inhalation | 3 mg/m³ | |
| | Long-term local effects dermal | 3.75 mg/cm² | |
| | Long-term local effects inhalation | 3 mg/m³ | |

**DNEL - General population**

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide,

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|---|---|---|---|
| DNEL | Acute local effects dermal | 11.2 mg/cm² | |
| | Long-term systemic effects oral | 0.56 mg/kg bw/day | |
| | Long-term local effects dermal | 3.75 mg/cm² | |

**PNEC**

pyrithione zinc

| Compartments | Value | Remark |
|---|---|---|
| Fresh water | 90 ng/l | |
| Salt water | 90 ng/l | |
| STP | 0.01 mg/l | |
| Fresh water sediment | 0.0095 mg/kg sediment dw | |
| Marine water sediment | 0.0095 mg/kg sediment dw | |
| Soil | 8.85 mg/kg soil dw | |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide,

| Compartments | Value | Remark |
|---|---|---|
| Fresh water | 43.2 µg/l | |
| Salt water | 4.32 µg/l | |
| STP | 10 mg/l | |
| Fresh water sediment | 1080 mg/kg sediment dw | |
| Marine water sediment | 108 mg/kg sediment dw | |
| Soil | 217 mg/kg soil dw | |

**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 normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Insufficient ventilation: wear respiratory protection.

b) Hand protection:

Gloves.

c) Eye protection:

Eye protection not required in normal conditions.

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 | No data available |
| Evaporation rate | No data available |
| Relative vapour density | No data available |
| Vapour pressure | No data available |
| Solubility | water ; insoluble |
| | organic solvents ; soluble |
| Relative density | 1.6 |
| 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 | 1600kg/m³ |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:
Heating increases the fire 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**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Oral | LD50 | OECD 401 | 269mg/kg bw | | Rat (male/female) | Experimental value | |
| Dermal | LD50 | EPA OPP 81-2 | > 2000mg/kg | 24 h | Rat (male/female) | Experimental value | |
| Inhalation (aerosol) | LC50 | OECD 403 | 1.03mg/l air | 4 h | Rat (male/female) | Experimental value | |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Oral | LD50 | OECD 423 | > 2000mg/kg | | Rat (female) | Experimental value | |
| Dermal | LD50 | OECD 402 | > 2000mg/kg bw | 24 h | Rat (male/female) | Experimental value | |
| Inhalation (dust) | LC50 | OECD 403 | > 5.11mg/l air | 4 h | Rat (male/female) | Experimental value | |

Judgement is based on the relevant ingredients

**Conclusion**

Not classified for acute toxicity

**Corrosion/irritation**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Eye | Serious eye damage | OECD 405 | 24 h | 24 hours | Rabbit | Experimental value | |
| Skin | Irritating | | | | | Literature study | |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Eye | Slightly irritating | OECD 405 | | 1; 24; 48; 72 hours | Rabbit | Experimental value | |
| Skin | Slightly irritating | OECD 404 | 4 h | 24; 48; 72 hours | Rabbit | Experimental value | |

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**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Skin | Not sensitizing | OECD 406 | | 24; 48 hours | Guinea pig (female) | Experimental value | |
| Inhalation | | | | | | Data waiving | |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Skin | Not sensitizing | OECD 429 | | | Mouse (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**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Value determination |
|---|---|---|---|---|---|---|---|---|
| Oral (stomach tube) | NOAEL | OECD 453 | 0.5mg/kg bw/day | | No effect | 98 - 104 weeks (daily) | Rat (male/female) | Experimental value |
| Dermal | NOAEL | EPA OPP 82-3 | 100mg/kg bw/day | | No effect | 13 weeks (6h/day, 5 days/week) | Rat (male/female) | Experimental value |
| Inhalation (dust) | LOAEL | EPA OPPTS 870.3465 | 6mg/m³ air | | Respiratory difficulties | 3 weeks (6h/day, 5 days/week) | Rat (male/female) | Experimental value |
| Inhalation (dust) | NOAEL | EPA OPPTS 870.3465 | 2mg/m³ air | | No effect | 3 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)**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Result | Method | Test substrate | Effect | Value determination |
|---|---|---|---|---|
| Negative with metabolic activation, negative without metabolic activation | OECD 471 | Bacteria (S.typhimurium) | No effect | Experimental value |
| Negative with metabolic activation | OECD 476 | Chinese hamster lung fibroblasts | No effect | Experimental value |
| Positive with metabolic activation, positive without metabolic activation | OECD 473 | Chinese hamster lung fibroblasts | Chromosome aberrations | Experimental value |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| Result | Method | Test substrate | Effect | Value determination |
|---|---|---|---|---|
| Negative | OECD 476 | Mouse (lymphoma L5178Y cells) | | Experimental value |
| Negative | OECD 471 | Bacteria (S.typhimurium) | | Experimental value |
| Negative | OECD 473 | Human lymphocytes | | Experimental value |

**Mutagenicity (in vivo)**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Result | Method | Exposure time | Test substrate | Organ | Value determination |
|---|---|---|---|---|---|
| Negative | OECD 474 | | Mouse (male/female) | Bone marrow | Experimental value |

**Carcinogenicity**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Organ | Effect |
|---|---|---|---|---|---|---|---|---|
| Oral | | OECD 453 | | 104 weeks (daily) | Rat (male/female) | Experimental value | | No carcinogenic effect |

**Reproductive toxicity**

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|---|---|---|---|---|---|---|---|---|
| Developmental toxicity | NOAEL | EPA OPP 83-3 | 0.5mg/kg bw/day | 13 day(s) | Rabbit (female) | No effect | | Experimental value |
| Maternal toxicity | LOAEL | EPA OPP 83-3 | 1.5mg/kg bw/day | 13 day(s) | Rabbit (female) | Weight changes | | Experimental value |
| | NOAEL | EPA OPP 83-3 | 0.5mg/kg bw/day | 13 day(s) | Rabbit (female) | No effect | | Experimental value |
| Effects on fertility | LOAEL (P/F1) | EPA OPPTS 870.3800 | 1.4mg/kg bw/day - 2.8mg/kg bw/day | | Rat (male/female) | Loss of weight | | Experimental value |
| | NOAEL (P/F1) | EPA OPPTS 870.3800 | 0.7 - 1.4 | | Rat (male/female) | No effect | | Experimental value |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|---|---|---|---|---|---|---|---|---|
| Effects on fertility | NOAEL | OECD 421 | 1000mg/kg bw/day | | Rat (male/female) | No effect | | Experimental value |

Judgement is based on the relevant ingredients

**Conclusion CMR**

Not classified for reprotoxic or developmental toxicity

Not classified for mutagenic or genotoxic toxicity

Not classified for carcinogenicity

**Toxicity other effects**

Soudabond RV61

No (test)data on the mixture available

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

Soudabond RV61

No effects known.

## SECTION 12: Ecological information

### 12.1 Toxicity:

Soudabond RV61

No (test)data on the mixture available

pyrithione zinc

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|---|---|---|---|---|---|---|---|---|
| Acute toxicity fishes | LC50 | EPA OPP 72-1 | 2.6µg/l | 96 h | Pimephales promelas | Flow-through system | Fresh water | Experimental value; GLP |
| Acute toxicity invertebrates | EC50 | EPA OPP 72-3 | 6.3µg/l | 96 h | Americamysis bahia | Flow-through system | Salt water | Experimental value; GLP |
| Toxicity algae and other aquatic plants | ErC50 | EPA OPP 122-2 | 4.1µg/l | 120 h | | Static system | Fresh water | Experimental value; GLP |
| Toxicity aquatic micro-organisms | EC50 | OECD 209 | 2.4mg/l | 3 h | Activated sludge | Static system | | Experimental value; GLP |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|---|---|---|---|---|---|---|---|---|
| Acute toxicity fishes | NOEC | OECD 203 | ≥ 100mg/l | 96 h | Oncorhynchus mykiss | Static system | Fresh water | Experimental value; GLP |
| Acute toxicity invertebrates | LC50 | OECD 202 | 94.9mg/l | 48 h | Daphnia magna | Static system | Fresh water | Experimental value; GLP |
| Toxicity algae and other aquatic plants | LC50 | OECD 201 | 43.2mg/l | 72 h | Pseudokirchneriella subcapitata | Semi-static system | Fresh water | Experimental value; Growth rate |
| Toxicity aquatic micro-organisms | EC50 | OECD 209 | > 1000mg/l | 3 h | Activated sludge | Static system | Fresh water | Experimental value; GLP |

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:

pyrithione zinc

**Biodegradation water**

| Method | Value | Duration | Value determination |
|---|---|---|---|
| OECD 301B: CO2 Evolution Test | 39%; GLP | 28 day(s) | Experimental value |
| OECD 303A: Activated Sludge Units | ≥ 98.8%; Activated sludge | 35 day(s) | Experimental value |

**Phototransformation air (DT50 air)**

| Method | Value | Conc. OH-radicals | Value determination |
|---|---|---|---|
| AOPWIN | 8.69h; GLP | | Calculated value |

**Phototransformation water (DT50 water)**

| Method | Value | Conc. OH-radicals | Value determination |
|---|---|---|---|
| Other | < 7minutes | | Experimental value |

**Half-life water (t1/2 water)**

| Method | Value | Primary degradation/mineralisation | Value determination |
|---|---|---|---|
| EPA 161-1 | 7.4day(s) - 12.9day(s); GLP | | Experimental value |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

**Biodegradation water**

| Method | Value | Duration | Value determination |
|---|---|---|---|
| OECD 301D: Closed Bottle Test | 60% | 28 day(s) | Experimental value |

**Conclusion**

Contains readily biodegradable component(s)

## 12.3 Bioaccumulative potential:

Soudabond RV61

**Log Kow**

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

pyrithione zinc

**BCF other aquatic organisms**

| Parameter | Method | Value | Duration | Species | Value determination |
|---|---|---|---|---|---|
| BCF | OECD 305 | 7.87 - 11 | 30 day(s) | Crassostrea sp. | Experimental value |

**Log Kow**

| Method | Remark | Value | Temperature | Value determination |
|---|---|---|---|---|
| OECD 107 | | 0.9 | 25 °C | Experimental value |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

**Log Kow**

| Method | Remark | Value | Temperature | Value determination |
|---|---|---|---|---|
| OECD 117 | | 8.6 | 25 °C | Experimental value |

**Conclusion**

Contains bioaccumulative component(s)

## 12.4 Mobility in soil:

pyrithione zinc

**Volatility (Henry's Law constant H)**

| Value | Method | Temperature | Remark | Value determination |
|---|---|---|---|---|
| < 0.5E-4Pa.m³/mol | | | | Experimental value |

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

**(log) Koc**

| Parameter | Method | Value | Value determination |
|---|---|---|---|
| | OECD 121 | 5.4 | Experimental value |

**Conclusion**

Contains component(s) that adsorb(s) into the soil

### 12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

### 12.6 Other adverse effects:

Soudabond RV61

**Global warming potential (GWP)**

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

**Ozone-depleting potential (ODP)**

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

pyrithione zinc

**Global warming potential (GWP)**

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

**Global warming potential (GWP)**

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

## SECTION 13: Disposal considerations

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

### 13.1 Waste treatment methods:

**13.1.1 Provisions relating to waste**

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).
08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

**13.1.2 Disposal methods**

Recycle/reuse. Remove waste in accordance with local and/or national regulations. Do not discharge unmonitored into 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 | |

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 73/78 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:

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 |
|---|---|
| 4% | |
| 64g/l | |

**National legislation The Netherlands**

Soudabond RV61

| | |
|---|---|
| Waste identification (the Netherlands) | LWCA (the Netherlands): KGA category 05 |
| Waterbezwaarlijkheid | 1 |

**National legislation Germany**

Soudabond RV61

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

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis-

| | |
|---|---|
| TA-Luft | 5.2.5; I |

**National legislation France**

Soudabond RV61

No data available

**National legislation Belgium**

Soudabond RV61

No data available

**Other relevant data**

Soudabond RV61

No data available

### 15.2 Chemical safety assessment:

No chemical safety assessment is required.

## SECTION 16: Other information

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

R22 Harmful if swallowed
R23 Toxic by inhalation
R38 Irritating to skin
R41 Risk of serious damage to eyes
R50 Very toxic to aquatic organisms
R52 Harmful to aquatic organisms
R53 May cause long-term adverse effects in the aquatic environment

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

H301 Toxic if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

(*) = INTERNAL CLASSIFICATION BY BIG

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)

**M-factor**

| | | | |
|---|---|---|---|
| pyrithione zinc | 100 | Acute | Customer information THOR (2014-10-27) |

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.