# Safety Data Sheet

# Silicone condensation accelerator

**Issue date** 01-May-2018 **Revision date** 30-Apr-2018 **Version** 2

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

### 1.1. Product Identifier

**Product name** **Siliconen condensation accelerator**

**Pure substance/mixture** Mixture

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

**Recommended Use** Additive, Intermediate, Printing process Additive, Anti-set-off, anti-adhesive or release agent
**Uses advised against** No information available

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

Nedform BV
Hofdwarsweg 20
6161DD Geleen
The Netherlands
+31(0)464106260

### For further information, please contact

**Contact Point** R&D
**E-mail address** MSDS@brbbv.com

### 1.4. Emergency telephone number

**Emergency telephone** 0031-475-560300 / 0048-12-4157922

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

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| | |
|---|---|
| **Serious eye damage/eye irritation** | Category 1 - (H318) |

### 2.2. Label Elements

**Product Identifier**

Contains Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-hydroxy-omega

.

**Signal Word**
DANGER

**Hazard statements**
H318 - Causes serious eye damage
EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one May produce an allergic reaction

**Precautionary Statements - EU (§28, 1272/2008)**
P280 - Wear eye protection/ face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor

**2.3. Other Hazards**
No information available

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name | EC No | CAS No | REACH registration number | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Weight-% |
|---|---|---|---|---|---|
| Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-hydroxy-omega | - | 160875-66-1 | No data available | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302) | 1-5 |
| 1,2-Benzisothiazol-3(2H)-one | 220-120-9 | 2634-33-5 | No data available | Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1 (H317)<br>Acute Tox. 4 (H302)<br>Aquatic Acute 1 (H400) | <0.01 |

**Full text of H- and EUH-phrases: see section 16**

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**General advice** When in doubt or if symptoms are observed, get medical advice.

**Inhalation** Remove to fresh air.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** Causes serious eye damage. allergic skin reaction.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Treat symptomatically.

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable Extinguishing Media**
Use. Carbon dioxide (CO2). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

**Unsuitable Extinguishing Media**
Do not use a solid water stream as it may scatter and spread fire

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapours

**Hazardous combustion products** Carbon dioxide (CO2), Carbon monoxide, Nitrogen oxides (NOx), Silicon dioxide, Formaldehyde.

**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to safe areas.

**For emergency responders**
Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

See Section 12 for additional Ecological Information.

**6.3. Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**6.4. Reference to other sections**

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling**
Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid contact with skin, eyes or clothing.

**General hygiene considerations**
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions**
Keep container tightly closed in a dry and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

### 7.3. Specific end use(s)

**Risk Management Methods (RMM)**
The information required is contained in this Material Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| | |
|---|---|
| **Exposure Limits** | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
| **Derived No Effect Level (DNEL)** | No information available |
| **Predicted No Effect Concentration (PNEC)** | No information available |

### 8.2. Exposure controls

| | |
|---|---|
| **Engineering controls** | Eyewash stations. |
| **Personal Protective Equipment** | |
| **Eye/face Protection** | Tight sealing safety goggles. |
| **Hand protection** | Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. |
| **Skin and Body Protection** | Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374. |
| **Respiratory protection** | None under normal use conditions. |
| **Environmental exposure controls** | Local authorities should be advised if significant spillages cannot be contained. |

## SECTION 9: Physical and chemical properties

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

| | | | |
|---|---|---|---|
| **Physical State** | Liquid | | |
| **Appearance** | No information available | **Odour** | characteristic |
| **Colour** | white | **Odour threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | | No information available |
| **Melting point/freezing point** | | No information available |
| **Boiling point / boiling range** | > 95 °C / 203 °F | |
| **Flash Point** | > 100 °C / > 212 °F | |
| **Evaporation Rate** | | No information available |
| **Flammability (solid, gas)** | | No information available |
| **Flammability Limit in Air** | | |
| **Upper flammability limit:** | No data available | |
| **Lower flammability limit** | No data available | |
| **Vapour pressure** | No data available | @ 20º C |
| **Vapour Density** | | No information available |
| **Specific gravity** | No data available | @ 20º C |
| | 1.000 g/cm3 | @ 25°C |
| **Water solubility** | 100 % | @ 20°C |
| **Solubility(ies)** | | No information available |
| **Partition coefficient** | | No information available |
| **Autoignition Temperature** | | No information available |
| **Decomposition temperature** | | No information available |
| **Kinematic viscosity** | No data available | @ 40 °C |
| **Dynamic viscosity** | No data available | @ 40 °C |
| **Explosive properties** | No information available | |
| **Oxidising properties** | No information available | |

**9.2. Other information**
No information available

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

None known based on information supplied.

**10.5. Incompatible materials**

Incompatible with oxidising agents. Acids. Bases.

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides (NOx). Silicon dioxide. If this product is heated to > 150 °C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute Toxicity**

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** No data available.
**Eye Contact** No data available.
**Skin contact** No data available.
**Ingestion** No data available.

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-hydroxy-omega | > 500 mg/kg (Rat) | | |
| 1,2-Benzisothiazol-3(2H)-one | = 1020 mg/kg ( Rat ) | >2000 mg/kg | |

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Causes serious eye damage. Classification is based on mixture calculation methods based on component data.

**Sensitisation** Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive Toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration Hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.1. Toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Product Information**

**Acute (short-term) algae toxicity**

**EC50** No information available
**EC0** No information available
**IC50** No information available
**IC0** No information available
**ErC50** No information available
**EbC50** No information available

**Acute (short-term) fish toxicity**

| | |
|---|---|
| **LC50** | No information available |
| **LC0** | No information available |
| **EC50** | No information available |
| **EC0** | No information available |

**Acute (short-term) aquatic invertebrate toxicity**

| | |
|---|---|
| **EC50** | No information available |
| **EC0** | No information available |

**Chronic (long-term) algae toxicity**

| | |
|---|---|
| **NOEC** | No information available |
| **LOEC** | No information available |

**Chronic (long-term) fish toxicity**

| | |
|---|---|
| **NOEC** | No information available |
| **LOEC** | No information available |

**Chronic (long-term) aquatic invertebrate toxicity**

| | |
|---|---|
| **NOEC** | No information available |
| **LOEC** | No information available |

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-hydroxy-omega | EC50: > 10 - 100 mg/l (Desmodesmus subspicatus 72h) | - | EC50: > 10 - 100 mg/l (Daphnia Magna 48h) |

**12.2. Persistence and degradability**

**Product Information**

| | |
|---|---|
| **Biodegradation** | No information available |
| **BOD** | No information available |
| **ThCO2** | No information available |
| **DOC** | No information available |

**12.3. Bioaccumulative potential**

**Product Information**

**Bioaccumulation (factor)** No information available

| Chemical name | Partition coefficient |
|---|---|
| 1,2-Benzisothiazol-3(2H)-one | 0.4 |

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

**12.6. Other adverse effects**

No information available

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Waste from residues/unused products** | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| **Contaminated packaging** | Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself. |

## SECTION 14: Transport information

**ADR**

| | |
|---|---|
| **14.1. UN number** | Not regulated |
| **14.2. UN proper shipping name** | Not regulated |
| **14.3. Transport hazard class(es)** | Not regulated |
| **Labels** | - |
| **14.4. Packing group** | Not regulated |
| **Description** | - |
| **14.5. Environmental hazards** | Not applicable |
| **14.6. Special precautions for user** | None |
| **Classification code** | - |
| **Tunnel restriction code** | - |
| **Limited quantity (LQ)** | - |
| **ADR Hazard Id (Kemmler Number)** | - |
| **Note:** | - |

**RID**

| | |
|---|---|
| **14.1. UN number** | Not regulated |
| **14.2. UN proper shipping name** | Not regulated |
| **14.3. Transport hazard class(es)** | Not regulated |
| **Labels** | - |
| **14.4. Packing group** | Not regulated |
| **Description** | - |
| **14.5. Environmental hazards** | Not applicable |
| **14.6. Special precautions for user** | None |
| **Classification code** | - |
| **Limited quantity (LQ)** | - |
| **Note:** | - |

**IMDG**

| | |
|---|---|
| **14.1. UN number** | Not regulated |
| **14.2. UN proper shipping name** | Not regulated |
| **14.3. Transport hazard class(es)** | Not regulated |
| **Subsidiary hazard class** | - |
| **14.4. Packing group** | Not regulated |
| **Description** | - |
| **14.5. Environmental hazards** | Not applicable |
| **14.6. Special precautions for user** | None |
| **EmS-No** | - |
| **Limited quantity (LQ)** | - |
| **Note:** | - |
| **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | No information available |

**IATA**

| | |
|---|---|
| **14.1. UN number** | Not regulated |
| **14.2. UN proper shipping name** | Not regulated |
| **14.3. Transport hazard class(es)** | Not regulated |
| **Subsidiary hazard class** | - |
| **14.4. Packing group** | Not regulated |
| **Description** | - |
| **14.5. Environmental hazards** | Not applicable |
| **14.6. Special precautions for user** | None |
| **ERG Code** | - |
| **Limited quantity (LQ)** | - |
| **Note:** | - |

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National Regulations**

See section 8 for national exposure control parameters

**France**

| Chemical name | French RG number |
|---|---|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5 | RG 65 |

**Germany**

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

**All of the components in the product are on the following Inventory lists:** TSCA (United States), Europe (EINECS/ELINCS/NLP), South Korea (KECL), China (IECSC), ENCS (Japan), Philippines (PICCS).

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Full text of H-Statements referred to under sections 2 and 3**

H318 - Causes serious eye damage
H302 - Harmful if swallowed
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H330 - Fatal if inhaled
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

**Revision note** See the red text with asterisks in this safety data sheet for the latest changes.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**