

according 1907/2006/EG, Article 31

Date of last alteration: 04.09.2020

Version: 1.4 (INTL-GHS)

Page 1 of 13

Printing date: 05.07.2022

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

- 1.1 Product identifier**  
**Tradename:** Neutralit
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Use of substance / preparation:** Industrial.  
 elastomer products
- 1.3 Details of the supplier of the safety data sheet**  
**Manufacturer/Supplier:** SILADENT Dr. Böhme & Schöps GmbH  
**Street / mailbox:** Im Klei 26  
**Country code. / postal code / city:** DE - 38644 Goslar  
**Phone:** +49 (0) 53 21 / 37 79 - 0  
**Fax:** +49 (0) 53 21 / 38 96 32  
**E-mail / Website:** [info@siladent.de](mailto:info@siladent.de) / [www.siladent.de](http://www.siladent.de)  
**Further information obtainable from:** SILADENT Dr. Böhme & Schöps GmbH
- 1.4 Emergency telephone number**  
 SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

| Hazard class                        | Hazard category | Route of exposure | H-Code |
|-------------------------------------|-----------------|-------------------|--------|
| Flammable liquids                   | Category 2      |                   | H225   |
| Serious eye damage / eye irritation | Category 2      |                   | H319   |
| Chronic aquatic toxicity            | Category 2      |                   | H411   |
| Acute aquatic toxicity              | Category 1      |                   | H400   |

**2.2 Label elements****Pictograms:****Signal word:**

Danger

| H-Code | Hazard Statements                                |
|--------|--|
| H225   | Highly flammable liquid and vapour.              |
| H319   | Causes serious eye irritation.                   |
| H400   | Very toxic to aquatic life.                      |
| H411   | Toxic to aquatic life with long lasting effects. |

| P-Code    | Precautionary Statements   |
|-----------|--|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233      | Keep container tightly closed.   |
| P280      | Wear protective gloves/protective clothing/eye protection.                                     |
| P273      | Avoid release to the environment.  |
| P243      | Take action to prevent static discharges.  |
| P312      | Call a POISON CENTER/doctor if you feel unwell.  |
| P403+P235 | Store in a well-ventilated place. Keep cool.   |

**Hazard ingredients (labelling):**

Isopropanol

according 1907/2006/EG, Article 31

Date of last alteration: 04.09.2020

Version: 1.4 (INTL-GHS)

**Neutralit**

**2.3 Other hazards:** No data available.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances** Not applicable

**3.2 Mixtures**

**3.2.1 Chemical characteristics:** Polydimethylsiloxane with functional groups + solvent

**3.2.2 Hazardous ingredients**

| Type | CAS No.    | Material   | Content % |
|------|------------|--|-----------|
| INHA | 107-46-0   | Hexamethyldisiloxane   | >75       |
| INHA | 67-63-0    | Isopropanol  | >10 – <20 |
| INHA | 27306-78-1 | Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxany]propoxy]- | <3        |
| VERU | 96-14-0    | 3-Methylpentane  | <0,5      |
| VERU | 107-83-5   | 2-Methylpentane  | <0,5      |

Type: INHA: ingredient, VERU: impurity

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above  $\geq 0.1\%$ .

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Remove contaminated clothes at once. Where there is a risk of unconsciousness place and transport on one side in a stable position.

**After contact with the eyes:**

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

**After contact with the skin:**

Wash with plenty of water or soap and water; immediately remove all contaminated clothing. In cases of sickness seek medical advice (show label if possible).

**After inhalation:**

Move to fresh air, keep the victim laying down and restful. If breathing has stopped, give artificial respiration. If unconscious place in stable sideways position. Seek medical advice and clearly identify substance.

**After swallowing:**

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice immediately and produce the label or packaging.

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

Any relevant information can be found in other parts of this section.

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

Further toxicology information in section 11 must be observed.

**Neutralit**

**SECTION 5: Firefighting measures**

|            |  |  |
|------------|--|--|
| <b>5.1</b> | <b>Extinguishing media</b><br><b>Suitable extinguishing agents:</b><br><br><b>Extinguishing media which must not be used for safety reasons:</b> | Alcohol-resistant foam , carbon dioxide , water mist , sprinkler system , sand , extinguishing powder.<br>Water jet.   |
| <b>5.2</b> | <b>Special hazards arising from the substance or mixture:</b>  | Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes. |
| <b>5.3</b> | <b>Advice for firefighters</b><br><b>Special protective equipment for firefighting:</b>  | Use respiratory protection independent of recirculated air. Keep unprotected persons away.   |

**SECTION 6: Accidental release measures**

|            |   |   |
|------------|---|---|
| <b>6.1</b> | <b>Personal precautions, protective equipment and emergency procedures:</b>                     | Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.  |
| <b>6.2</b> | <b>Environmental precautions:</b>   | Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.  |
| <b>6.3</b> | <b>Methods and material for containment and cleaning up:</b><br><br><b>Further information:</b> | Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.<br><br>Exhaust vapours. Consider explosion protection. Eliminate all sources of ignition. Observe notes under section 7. |
| <b>6.4</b> | <b>Reference to other sections:</b>   | Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).  |

according 1907/2006/EG, Article 31  
 Date of last alteration: 04.09.2020  
 Version: 1.4 (INTL-GHS)

**Neutralit**

**SECTION 7: Handling and storage**

|            |   |  |
|------------|---|--|
| <b>7.1</b> | <b>Precautions for safe handling:</b>                               | Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping. Observe information in section 8. Ensure adequate ventilation. Must be syphoned off in situ.   |
|            | <b>Precautions against fire and explosion:</b>                      | Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water. |
| <b>7.2</b> | <b>Conditions for safe storage, including any incompatibilities</b> |  |
|            | <b>Conditions for storage rooms and vessels:</b>                    | Observe local/state/federal regulations.   |
|            | <b>Advice for storage of incompatible materials:</b>                | Observe local/state/federal regulations.   |
|            | <b>Further information for storage:</b>                             | Store in a dry and cool place. Store container in a well ventilated place.   |
| <b>7.3</b> | <b>Specific end use(s):</b>   | No data available.   |

**SECTION 8: Exposure controls/personal protection**

|              |  |   |
|--------------|--|---|
| <b>8.1</b>   | <b>Control parameters</b>                                | -   |
| <b>8.2</b>   | <b>Exposure controls:</b>                                |   |
| <b>8.2.1</b> | <b>Exposure in the work place limited and controlled</b> |   |
|              | <b>General protection and hygiene measures:</b>          | Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Preventive skin protection recommended. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling. |

**Neutralit**

**Personal protection equipment:**

**Respiratory protection:**

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.  
 Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387  
 In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
 Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.  
 Recommended Filter type: Combined filter type ABEK-P2 (certain inorganic, organic and acidic gases and vapors; ammonia/amines; particles), according to acknowledged standards such as EN 14387  
 Observe the equipment manufacturer's information and wear time limits for respirators.

**Eye protection:**

Tight fitting protective goggles.

**Hand protection:**

Protective gloves are required at all times when handling the material, according to recognized standards such as EN374.  
 Recommended glove types: Protective gloves made of nitrile rubber  
 thickness of the material: > 0,4 mm  
 Breakthrough time: > 480 min  
 Recommended glove types: Protective gloves made of butyl rubber  
 thickness of the material: > 0,3 mm  
 Breakthrough time: > 480 min  
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

**Skin protection:**

If handled uncovered: Chemical protective clothing, full-body liquid-tight protection if necessary. Please observe the instructions regarding permeability time which are provided by the supplier. Antistatic protective clothing and shoes.

**8.2.2 Exposure to the environment limited and controlled:**

Prevent material from entering surface waters and soil. Do not introduce large amounts into purification plants.

**Neutralit**

**8.3 Further information for system design and engineering measures:** Observe information in section 7. Observe regulations for protection against explosion.

**SECTION 9: Physical and chemical properties**

| 9.1  | Information on basic physical and chemical properties         |                    | Method          |
|--|---|--------------------|-----------------|
| Property:                                    | Value:  |                    |                 |
| Appearance:                                  |   |                    |                 |
| Physical state:                              | liquid  |                    |                 |
| Colour:                                      | colourless  |                    |                 |
| Odour:                                       | faint   |                    |                 |
| Odour limit:                                 | no data available   |                    |                 |
| pH:  | Not applicable. Product displays neutral reaction with water. |                    |                 |
| Melting point/Freezing point                 | not determined  |                    |                 |
| Boiling point/Boiling range:                 | 100 °C at 1013 hPa  |                    |                 |
| Flash point:                                 | 3 °C  |                    | (not specified) |
| Evaporation rate:                            | no data available   |                    |                 |
| Upper/lower flammability or explosive limits |   |                    |                 |
| Lower explosion limit (LEL):                 | 2,0 Vol-%   |                    |                 |
| Upper explosion limit (UEL):                 | 12 Vol-%  |                    |                 |
| Vapour pressure:                             | 175 hPa / 50 °C   |                    |                 |
| Vapour pressure:                             | 44 hPa / 20 °C  |                    |                 |
| Solubility(ies)                              |   |                    |                 |
| Water solubility / miscibility:              | virtually insoluble   |                    |                 |
| Vapour density                               |   |                    |                 |
| Relative gas/vapour density:                 | No data known.  |                    |                 |
| Relative Density:                            | 0,77 (23 °C)<br>(Water / 4 °C = 1,00)                         |                    |                 |
| Density:                                     | 0,77 g/cm <sup>3</sup> (23 °C)                                |                    |                 |
| Partition coefficient: n-octanol/water:      | No data known.  |                    |                 |
| Auto-ignition temperature                    |   |                    |                 |
| Ignition temperature:                        | 325 °C  |                    | (not specified) |
| Decomposition temperature                    |   |                    |                 |
| Thermal decomposition:                       | not applicable  |                    |                 |
| Viscosity (dynamic):                         |   |                    |                 |
| Viscosity (kinematic):                       | 0,7 mm <sup>2</sup> /s at 25 °C                               |                    |                 |
| Molecular mass:                              | not applicable  |                    |                 |
| 9.2  | Other information:  | No data available. |                 |

**SECTION 10: Stability and reactivity**

|           |   |  |
|-----------|---|--|
| 10.1-10.3 | Reactivity; Chemical stability; Possibility of hazardous reactions: | If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.  |
| 10.4      | Conditions to avoid:  | Heat, open flames, and other sources of ignition.  |
| 10.5      | Incompatible materials:   | None known.  |
| 10.6      | Hazardous decomposition products:                                   | If stored and handled properly: none known. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation. |

according 1907/2006/EG, Article 31

Date of last alteration: 04.09.2020

Version: 1.4 (INTL-GHS)

**Neutralit****SECTION 11: Toxicological information****11.1 Information on toxicological effects****11.1.1 General information:**

Data derived for the product as a whole are of higher priority than data for single ingredients.

**11.1.2 Acute toxicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Acute toxicity estimate (ATE):**ATE<sub>mix</sub> (Oral): > 2000 mg/kg**Data on substances:****Hexamethyldisiloxane:**

| Route of exposure      | Result/Effect   | Species/Test system | Source                  |
|------------------------|---|---------------------|-------------------------|
| Oral                   | LD50: > 16 mL/kg  | Rat                 | test report             |
| dermal                 | LD50: > 2000 mg/kg<br>Neither mortality nor clinical signs of toxicity were observed with the given dose. | Rabbit              | test report<br>OECD 402 |
| by inhalation (vapour) | LC50: 106 mg/l = 16000 ppm; 4 h   | Rat                 | test report<br>OECD 403 |

**Isopropanol:**

| Route of exposure      | Result/Effect          | Species/Test system | Source           |
|------------------------|------------------------|---------------------|------------------|
| Oral                   | LD50: > 5000 mg/kg     | Rat                 | ECHA             |
| dermal                 | LD50: > 5000 mg/kg     | Rabbit              | ECHA             |
| by inhalation (vapour) | LC50: > 10000 ppm; 6 h | Rat                 | ECHA<br>OECD 403 |

**11.1.3 Skin corrosion/irritation****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data on substances:****Hexamethyldisiloxane:**

| Result/Effect      | Species/Test system | Source                  |
|--------------------|---------------------|-------------------------|
| No skin irritation | Rabbit              | test report<br>OECD 404 |

**Isopropanol:**

| Result/Effect      | Species/Test system | Source     |
|--------------------|---------------------|------------|
| No skin irritation | not specified       | literature |

**11.1.4 Serious eye damage / eye irritation****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data on substances:****Hexamethyldisiloxane:**

| Result/Effect     | Species/Test system | Source                  |
|-------------------|---------------------|-------------------------|
| No eye irritation | Rabbit              | test report<br>OECD 405 |

**Isopropanol:**

| Result/Effect | Species/Test system | Source |
|---------------|---------------------|--------|
| irritating    | Rabbit              | ECHA   |



**Neutralit**

**11.1.5 Respiratory or skin sensitization**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data on substances:**

**Hexamethyldisiloxane:**

| Route of exposure | Result/Effect                      | Species/Test system                         | Source      |
|-------------------|------------------------------------|---|-------------|
| dermal            | Does not cause skin sensitisation. | Voluntary persons;<br>Human skin patch test | test report |

**Isopropanol:**

| Route of exposure | Result/Effect                      | Species/Test system | Source           |
|-------------------|------------------------------------|---------------------|------------------|
| dermal            | Does not cause skin sensitisation. | Guinea-pig; Bühler  | ECHA<br>OECD 406 |

**11.1.6 Germ cell mutagenicity**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data on substances:**

**Hexamethyldisiloxane:**

| Result/Effect | Species/Test system   | Source                  |
|---------------|---|-------------------------|
| negative      | mutation assay (in vitro)<br>bacterial cells  | test report<br>OECD 471 |
| negative      | mutation assay (in vitro)<br>mammalian cells  | test report<br>OECD 476 |
| negative      | chromosome aberration assay (in vitro)<br>mammalian cells   | test report<br>OECD 473 |
| negative      | chromosome aberration assay (in vivo)<br>Rat (Sprague Dawley)<br>Intraperitoneal; bone marrow cells | test report<br>OECD 475 |

**11.1.7 Carcinogenicity**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data on substances:**

**Hexamethyldisiloxane:**

Animal tests have not revealed any carcinogenic effects.

| Result/Effect  | Species/Test system  | Source                  |
|--|--|-------------------------|
| NOAEC: >= 33,2 mg/l<br>NOAEC = NOAEC<br>(carcinogenic effects relevant for humans) | carcinogenicity study<br>Rat (Fischer F344)<br>by inhalation (vapour)<br>2 a; 5 d/w; 6 hours/day | test report<br>OECD 453 |

**11.1.8 Reproductive toxicity**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data on substances:**

**Hexamethyldisiloxane:**

Animal tests have shown no indications of possibility of damage to embryo and impairment of fertility.

| Result/Effect (Examinations of fertility disruption) | Species/Test system  | Source  |
|--|--|---|
| NOAEC: >= 33,2 mg/l<br>NOAEC = NOAEC (fertility)     | Two-generation study<br>Rat (Sprague-Dawley)<br>by inhalation (vapour) | test report<br>EPA OPPTS<br>870.3800+870.6300 |



**Neutralit**

|  |  |   |
|--|--|---|
|  | ; 7 d/w; 6 hours/day   |   |
| Result/Effect (Examinations of developmental toxicity and teratogenicity)  | Species/Test system  | Source  |
| NOAEC (developmental): 10,6 mg/l<br>NOAEC (maternal): >= 33,2 mg/l<br>Symptoms/Effect: Pups: lack of habituation | Reproduction and Fertility Effects + Developmental Neurotoxicity Study<br>Rat (Sprague Dawley)<br>by inhalation (vapour)<br>; 7 d/w; 6 hours/day | test report<br>EPA OPPTS<br>870.3800+870.6300 |

**11.1.9 Specific target organ toxicity (single exposure)**

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

**Data on substances:**  
**Isopropanol:**

| Route of exposure | Result/Effect  | Source |
|-------------------|--|--------|
| by inhalation     | Target organs: Central nervous system<br>Vapours may be narcotising. | ECHA   |

**11.1.10 Specific target organ toxicity (repeated exposure)**

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

**Data on substances:**  
**Hexamethyldisiloxane:**

In animal experiments with repeated exposure no effects with relevance for humans were observed.

| Result/Effect  | Species/Test system   | Source                  |
|--|---|-------------------------|
| NOAEL: >= 1000 mg/kg<br>NOAEL = NOAEL (relevant to humans) | Subacute study<br>Rat<br>Oral (gavage)<br>28 d              | test report<br>OECD 407 |
| NOAEL: >= 1000 mg/kg<br>NOAEL = NOAEL (relevant to humans) | Subacute study<br>Rat<br>Dermal<br>28 d; 5 d/w; 6 hours/day | test report<br>OECD 410 |
| NOAEC: > 33,2 mg/l<br>NOAEC = NOAEC (relevant to humans)   | chronic study<br>Rat<br>2 a; 5 d/w; 6 hours/day             | test report<br>OECD 453 |

**11.1.11 Aspiration hazard**

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

**11.1.12 Further toxicological information**

**Data on substances:**

**Hexamethyldisiloxane:** May cause skin irritation at prolonged/repeated contact with the product.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Assessment:** For the product as a whole, no test data is available.  
**Data on substances:** Data derived for the product as a whole are of higher priority than data for single ingredients.  
**Hexamethyldisiloxane:** Very toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

according 1907/2006/EG, Article 31

Date of last alteration: 04.09.2020

Version: 1.4 (INTL-GHS)

**Neutralit**

| Result/Effect  | Species/Test system  | Source                  |
|--|--|-------------------------|
| LC50: 0,46 mg/l (measured)                           | dynamic<br>rainbow trout ( <i>Oncorhynchus mykiss</i> ) (96 h) | test report<br>OECD 203 |
| EC50: > 0,37 mg/l (measured)                         | static<br>Daphnia magna (48 h)                                 | test report<br>OECD 202 |
| IC10 (growth rate): 0,14 mg/l (measured)             | static<br>Selenastrum capricornutum (95 h)                     | test report<br>OECD 201 |
| IC50 (growth rate): > 0,55 mg/l (measured)           | static<br>Selenastrum capricornutum (95 h)                     | test report<br>OECD 201 |
| EC50 (respiratory inhibition): >= 100 mg/l (nominal) | static<br>sludge (3 h)   | test report<br>OECD 209 |
| NOEC: >= 0,04 mg/l (measured)                        | dynamic<br>carp ( <i>Cyprinus carpio</i> ) (56 d)              | test report<br>OECD 305 |
| NOEC (reproduction): 0,08 mg/l (measured)            | semistatic<br>Daphnia magna (21 d)                             | test report<br>OECD 211 |

**Isopropanol:**

| Result/Effect      | Species/Test system                                     | Source |
|--------------------|---|--------|
| LC50: > 9640 mg/l  | dynamic<br>minnow ( <i>Pimephales promelas</i> ) (96 h) | ECHA   |
| EC50: > 10000 mg/l | static<br>Daphnia magna (48 h)                          | ECHA   |
| IC0: 1800 mg/l     | static<br>Scenedesmus quadricauda (7 d)                 | ECHA   |

**12.2 Persistence and degradability****Assessment:**

For the product as a whole, no test data is available.  
Organic solvent: readily biologically degradable.

**Data on substances:****Hexamethyldisiloxane:**

The substance is degradable in abiotic processes.

**Biodegradation:**

| Result                                   | Test system/Method             | Source                   |
|--|--------------------------------|--------------------------|
| 2 % / 28 d<br>Not readily biodegradable. | biological oxygen demand (BOD) | test report<br>OECD 301C |

**Hydrolysis:**

| Result            | Test system   | Source                  |
|-------------------|---------------|-------------------------|
| Half-life: 1,47 h | pH 5; 24,8 °C | test report<br>OECD 111 |
| Half-life: 120 h  | pH 7; 24,7 °C | test report<br>OECD 111 |
| Half-life: 12,4 h | pH 9; 24,8 °C | test report<br>OECD 111 |

**Isopropanol:****Biodegradation:**

| Result                | Test system/Method             | Source |
|-----------------------|--------------------------------|--------|
| readily biodegradable | biological oxygen demand (BOD) | ECHA   |

**12.3 Bioaccumulative potential****Assessment:**

For the product as a whole, no test data is available.

**Data on substances:****Hexamethyldisiloxane:**

Under experimental conditions the substance showed an increased potential for bioaccumulation.

**Neutralit**

| Result/Effect                                 | Species/Test system                       | Source            |
|---|---|-------------------|
| Bioconcentration factor (BCF):<br>1290 - 2410 | carp (Cyprinus carpio) (70 d; 0,04 mg/l)  | no data available |
| Bioconcentration factor (BCF):<br>776 - 1660  | carp (Cyprinus carpio) (70 d; 0,004 mg/l) | no data available |

**12.4 Mobility in soil**  
**Assessment:** No data known.  
**Data on substances:**  
**Hexamethyldisiloxane:**  
**adsorption - desorption:**

| Result        | Test system/Method | Source            |
|---------------|--------------------|-------------------|
| log Koc: 2,53 | Berechnung         | no data available |

**12.5 Results of PBT and vPvB assessment:** No data available.  
**Data on substances:**  
**Hexamethyldisiloxane:** The substance does not fulfill the PBT criteria. The substance does not fulfill the vPvB criteria.  
**Isopropanol:** This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

**12.6 Other adverse effects:** none known

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**13.1.1 Material**

**Recommendation:** Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

**13.1.2 Uncleaned packaging**

**Recommendation:** Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

**SECTION 14: Transport information**

**14.1 - UN number; UN proper shipping name; Transport hazard class(es); Packing group**

**14.4**

**Road ADR:**

**Valuation:** Dangerous Goods  
**14.1 UN no.:** 1993

**14.2 Proper Shipping Name:** Entzündbarer flüssiger Stoff, n.a.g. (Enthält Hexamethyldisiloxan und 2-Propanol)

**14.3 Class:** 3  
**14.4 Packaging Group:** II

**Railway RID:**

**Valuation:** Dangerous Goods  
**14.1 UN no.:** 1993

**Neutralit**

**14.2 Proper Shipping Name:** Flammable liquid, n.o.s. (Contains hexamethyldisiloxane and 2-propanol)  
**14.3 Class:** 3  
**14.4 Packaging Group:** II

**Transport by sea IMDG-Code:**

**Valuation:** Dangerous Goods  
**14.1 UN no.:** 1993  
**14.2 Proper Shipping Name:** Flammable liquid, n.o.s. (Contains hexamethyldisiloxane and 2-propanol)  
**14.3 Class:** 3  
**14.4 Packaging Group:** II

**Air transport ICAO-TI/IATA-DGR:**

**Valuation:** Dangerous Goods  
**14.1 UN no.:** 1993  
**14.2 Proper Shipping Name:** Flammable liquid, n.o.s. (Contains hexamethyldisiloxane and 2-propanol)  
**14.3 Class:** 3  
**14.4 Packaging Group:** II

- 14.5 Environmental hazards**  
**Hazardous to the environment:** yes  
**Marine Pollutant (IMDG):** yes
- 14.6 Special precautions for user:** Relevant information in other sections has to be considered.
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Bulk transport in tankers is not intended.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**National and local regulations must be observed.**  
**For information on labelling please refer to section 2 of this document.**

**15.2 Details of international registration status**  
**Relevant information about individual substance inventories, where available, is given below.**

|                             |  |
|-----------------------------|--|
| Japan:                      | ENCS (Handbook of Existing and New Chemical Substances):<br>This product is listed in, or complies with, the substance inventory.    |
| Australia:                  | AICS (Australian Inventory of Chemical Substances):<br>This product is listed in, or complies with, the substance inventory.         |
| People's Republic of China: | IECSC (Inventory of Existing Chemical Substances in China):<br>This product is listed in, or complies with, the substance inventory. |
| Canada:                     | DSL (Domestic Substance List):<br>This product is listed in, or complies with, the substance inventory.                              |
| Philippines:                | PICCS (Philippine Inventory of Chemicals and Chemical Substances):<br>This product is listed in, or complies with, the substance     |

**Neutralit**

|                                  |   |
|----------------------------------|---|
| United States of America (USA):  | inventory.<br>TSCA (Toxic Substance Control Act Chemical Substance Inventory):<br>All components of this product are listed as active or are in compliance with the substance inventory.  |
| Taiwan:                          | TCSI (Taiwan Chemical Substance Inventory):<br>This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation. |
| European Economic Area (EEA):    | REACH (Regulation (EC) No 1907/2006):<br>General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.  |
| South Korea (Republic of Korea): | AREC (Act on Registration and Evaluation of Chemicals; “K-REACH”):<br>Please approach your regular WACKER contact for more detailed information.  |

**SECTION 16: Other information**

|             |                             |  |
|-------------|-----------------------------|--|
| <b>16.1</b> | <b>Material</b>             | The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.<br>The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information. |
| <b>16.2</b> | <b>Further information:</b> | Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.  |