

**ULTRAGRIP(TM)**  
 Revision Number 3

**Revision Date** 28-Jan-2019  
**Supersedes Date:** 31-Aug-2018

**1. Identification**
**1.1. Product Identifier**

**Product Name** ULTRAGRIP(TM)

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

**Recommended use** Adhesives.  
**Uses advised against** No information available

**1.3. Details of the supplier of the safety data sheet**
**Responsible Party**

Bostik Inc.  
 11320 W. Watertown Plank Road  
 Wauwatosa, Wisconsin 53226 USA  
 Phone: +1 (800) 843-0844 (Domestic Toll Free)  
 Phone: +1 (414) 774-2250 (International)  
 Fax: +1 (414) 774-8075

E-mail msds@bostik.com

**1.4. Emergency telephone number**

Telephone: 1-800-227-0332  
 (Outside U.S.) 1-703-527-3887


**Section 2: HAZARDS IDENTIFICATION**
**2.1. Classification of the substance or mixture**

|                       |             |
|-----------------------|-------------|
| Skin sensitization    | Category 1  |
| Reproductive toxicity | Category 1B |

**2.2. Label Elements**
**EMERGENCY OVERVIEW**

**DANGER**

**Hazard statements**  
 May cause an allergic skin reaction  
 May damage fertility or the unborn child



**Appearance** Paste                      **Physical State** Liquid                      **Odor** Fruity

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## Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

## Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

## Precautionary Statements - Storage

Store locked up

## Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

## Hazards Not Otherwise Classified (HNOC)

Not applicable

## Unknown acute toxicity

10 % of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

| Chemical Name   | CAS No.    | Weight-% |
|---|------------|----------|
| Limestone   | 1317-65-3  | 40 - 70  |
| Carbonic acid, calcium salt (1:1)                     | 471-34-1   | 1 - 5    |
| Silane, ethenyltrimethoxy-                            | 2768-02-7  | 1 - 5    |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine       | 1760-24-3  | 0.1 - 1  |
| Carbon black  | 1333-86-4  | 0.1 - 1  |
| Quartz  | 14808-60-7 | 0.1 - 1  |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- | 22673-19-4 | 0.1 - 1  |

*\*The exact percentage (concentration) of composition has been withheld as a trade secret.*

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General advice

Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand. If symptoms persist, call a physician.

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult a physician. Keep eye wide open while rinsing. If symptoms persist, call a physician.

#### Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated

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clothes and shoes. Wash contaminated clothing before reuse. May cause sensitization by skin contact. In the case of skin irritation or allergic reactions see a physician.

## Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

## Ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

## Self-protection of the first aider

First aider: Pay attention to self-protection!. Use personal protective equipment as required.

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

### Symptoms

None known.

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

### Note to physicians

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. May cause sensitization by skin contact. Treat symptomatically.

## 4.4. Reference to Other Sections

### Reference to other sections

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 11: TOXICOLOGY INFORMATION

## **Section 5: FIRE-FIGHTING MEASURES**

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

#### Unsuitable extinguishing media

Strong water jet.

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

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Halogenated hydrocarbons. Nitrogen oxides (NO<sub>x</sub>). Product is or contains a sensitizer. May cause sensitization by skin contact.

#### Hazardous Combustion Products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### Explosion Data

##### Sensitivity to mechanical impact

None.

##### Sensitivity to static discharge

None.

### 5.3. Advice for firefighters

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. 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

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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Do not touch or walk through spilled material. Ensure adequate ventilation, especially in confined areas.

## 6.2. Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

**Methods for containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## 6.4. Reference to other sections

**Reference to other sections** Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. After contact with skin, wash immediately with plenty of water and soap. Wash contaminated clothing before reuse.

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

**Storage Conditions** Keep away from food, drink and animal feeding stuffs. Keep/store only in original container. Protect from moisture. Protect from sunlight. Store in a well-ventilated place. Keep at temperatures between 41 and 95 °F.

**Incompatible materials** Water.

### 7.3. Specific end use(s)

**Specific Use(s)**  
Adhesives. Sealant.

**Other information** No information available.

### 7.4. References to Other Sections

**Reference to other sections** Section 13: DISPOSAL CONSIDERATIONS  
Section 10: STABILITY AND REACTIVITY

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1. Control parameters

**Exposure Guidelines** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon

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curing. This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

| Chemical Name   | ACGIH TLV   | NIOSH IDLH  | OSHA PEL  | Mexico  |
|---|---|---|---|---|
| Limestone<br>1317-65-3  | -   | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust  | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction  | TWA: 10 mg/m <sup>3</sup><br>STEL: 20 mg/m <sup>3</sup>   |
| Carbonic acid, calcium salt<br>(1:1)<br>471-34-1                          | -   | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust  | -   | -   |
| Carbon black<br>1333-86-4   | TWA: 3 mg/m <sup>3</sup> inhalable particulate matter                 | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH | TWA: 3.5 mg/m <sup>3</sup>  | TWA: 3.5 mg/m <sup>3</sup><br>STEL: 7 mg/m <sup>3</sup>   |
| Quartz<br>14808-60-7  | TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter            | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust   | TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays<br>: (250)/( %SiO <sub>2</sub> + 5) mppcf<br>TWA respirable fraction<br>: (10)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup><br>TWA respirable fraction | TWA: 0.1 mg/m <sup>3</sup>                                |
| Tin,<br>dibutylbis(2,4-pentanedionat<br>o-O,O'), (OC-6-11)-<br>22673-19-4 | STEL: 0.2 mg/m <sup>3</sup> Sn<br>TWA: 0.1 mg/m <sup>3</sup> Sn<br>S* | IDLH: 25 mg/m <sup>3</sup> Sn<br>TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn   | TWA: 0.1 mg/m <sup>3</sup> Sn   | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup> |

| Chemical Name   | Argentina  | Brazil | Chile                            | Venezuela   |
|---|--|--------|----------------------------------|---|
| Limestone<br>1317-65-3  | TWA: 10 mg/m <sup>3</sup>                                      | -      | TWA: 7 mg/m <sup>3</sup>         | -   |
| Carbonic acid, calcium salt<br>(1:1)<br>471-34-1                          | -  | -      | -                                | TWA: 10 mg/m <sup>3</sup>   |
| Carbon black<br>1333-86-4   | TWA: 3.5 mg/m <sup>3</sup>                                     | -      | -                                | TWA: 3.5 mg/m <sup>3</sup>  |
| Quartz<br>14808-60-7  | TWA: 0.05 mg/m <sup>3</sup>                                    | -      | TWA: 0.08 mg/m <sup>3</sup>      | TWA: 0.025 mg/m <sup>3</sup>                                      |
| Tin,<br>dibutylbis(2,4-pentanedionat<br>o-O,O'), (OC-6-11)-<br>22673-19-4 | TWA: 0.1 mg/m <sup>3</sup> Skin<br>STEL: 0.2 mg/m <sup>3</sup> | -      | TWA: 0.09 mg/m <sup>3</sup> Skin | Skin<br>STEL: 0.2 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> |

| Chemical Name             | ACGIH TLV                           | NIOSH IDLH   | OSHA PEL                                   | Mexico   |
|---------------------------|-------------------------------------|--|--|--|
| Methyl alcohol<br>67-56-1 | STEL: 250 ppm<br>TWA: 200 ppm<br>S* | IDLH: 6000 ppm<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 325 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 310 mg/m <sup>3</sup> |

| Chemical Name             | Argentina                             | Brazil   | Chile  | Venezuela                             |
|---------------------------|---------------------------------------|--|--|---------------------------------------|
| Methyl alcohol<br>67-56-1 | TWA: 200 ppm<br>Skin<br>STEL: 250 ppm | TWA: 156 ppm<br>TWA: 200 mg/m <sup>3</sup><br>Skin | TWA: 175 ppm<br>TWA: 229 mg/m <sup>3</sup><br>Skin | Skin<br>STEL: 250 ppm<br>TWA: 200 ppm |

## 8.2. Exposure controls

### OTHER INFORMATION

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

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**Engineering controls**  
Showers  
Eyewash stations  
Ventilation systems.

## Personal protective equipment [PPE]

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                |                          |
|----------------|--------------------------|
| Physical State | Liquid                   |
| Appearance     | Paste                    |
| Color          | Cream                    |
| Odor           | Fruity                   |
| Odor Threshold | No information available |

| <u>Property</u>                        | <u>Values</u>            | <u>Remarks • Method</u> |
|--|--------------------------|-------------------------|
| pH                                     | No information available |                         |
| Melting point / freezing point         | No data available        |                         |
| Boiling point / boiling range          | No data available        |                         |
| Flash Point                            | > 93.3 °C / > 200 °F     |                         |
| Evaporation Rate                       | No information available |                         |
| Flammability (solid, gas)              | No information available |                         |
| Flammability Limit in Air              |                          |                         |
| Upper flammability or explosive limits | No information available |                         |
| Lower flammability or explosive limits | No information available |                         |
| Vapor Pressure                         | No information available |                         |
| Vapor Density                          | No information available |                         |
| Relative Density                       | No information available |                         |
| Water Solubility                       | No information available |                         |
| Solubility in Other Solvents           |                          |                         |
| Partition coefficient                  | No information available |                         |
| Autoignition Temperature               | No information available |                         |
| Decomposition Temperature              | No information available |                         |
| Kinematic Viscosity                    | No information available |                         |
| Dynamic Viscosity                      | No information available |                         |
| Explosive properties                   | No information available |                         |
| Oxidizing properties                   | No information available |                         |

### 9.2. Other information

|                     |                          |
|---------------------|--------------------------|
| Softening Point     | No information available |
| Molecular Weight    | No information available |
| Solvent content (%) | No information available |

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Solid content (%) 96.8  
Density 1.710 g/cm<sup>3</sup>  
VOC (volatile organic compound) 0 g/L / 0 %

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Product cures with moisture.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Keep from freezing. Protect from moisture. Product cures with moisture.

### 10.5. Incompatible materials

Water.

### 10.6. Hazardous decomposition products

None known based on information supplied.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

|                            |  |
|----------------------------|--|
| <b>Product information</b> | No data available                        |
| <b>Inhalation</b>          | No data available.                       |
| <b>Eye contact</b>         | No data available.                       |
| <b>Skin contact</b>        | May cause sensitization by skin contact. |
| <b>Ingestion</b>           | No data available.                       |

### Component Information

| Chemical Name  | Oral LD50                                    | Dermal LD50                         | Inhalation LC50                           |
|--|--|-------------------------------------|---|
| Limestone<br>1317-65-3   | >5000 mg/kg (rat)                            | -                                   | -   |
| Carbonic acid, calcium salt (1:1)<br>471-34-1                              | LD50 > 2000 mg/kg (Rat) OECD<br>420          | LD50 >2000 mg/kg (Rat) OECD<br>402  | LC50 (4h) >3mg/ml (Rat)                   |
| Silane, ethenyltrimethoxy-<br>2768-02-7                                    | LD 50 = 7120 -7236 mg/kg ( Rat )<br>OECD 401 | = 3360 µL/kg ( Rabbit )             | LC50 (4hr) 16.8 mg/l (rat) OECD TG<br>403 |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine<br>1760-24-3               | = 2295 mg/kg ( Rat )                         | >2000 mg/Kg (Rat)                   | LC50 4H (Aerosol) 1.5 - 2.44 mg/L<br>air  |
| Carbon black<br>1333-86-4  | LD 50 > 8000 mg/kg (rat)<br>OECD 401         | > 3 g/kg ( Rabbit )                 | -   |
| Quartz<br>14808-60-7   | >20000 mg/kg                                 | -                                   | -   |
| Tin,<br>dibutylbis(2,4-pentanedionato-O,O')<br>-, (OC-6-11)-<br>22673-19-4 | LD50 = 1864 mg/kg (Rat) OECD<br>401          | LD50 > 2000 mg/kg (Rat) OECD<br>402 | -   |

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## Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |  |
|--|--|
| <b>Symptoms</b>                          | No information available.  |
| <b>Skin corrosion/irritation</b>         | No information available.  |
| <b>Serious eye damage/eye irritation</b> | No information available.  |
| <b>Irritation</b>                        | No information available.  |
| <b>Corrosivity</b>                       | No information available.  |
| <b>Sensitization</b>                     | May cause sensitization of susceptible persons. May cause sensitization by skin contact.   |
| <b>Germ Cell Mutagenicity</b>            | No information available.  |
| <b>Reproductive Toxicity</b>             | Product is or contains a chemical which is a known or suspected reproductive hazard.   |
| <b>Developmental Toxicity</b>            | No information available.  |
| <b>Teratogenicity</b>                    | No information available.  |
| <b>STOT - single exposure</b>            | No information available.  |
| <b>STOT - repeated exposure</b>          | No information available.  |
| <b>Chronic Toxicity</b>                  | No information available.  |
| <b>Target Organ Effects</b>              | Eyes, Respiratory system, Skin.  |
| <b>Aspiration hazard</b>                 | Not applicable.  |
| <b>Carcinogenicity</b>                   | The table below indicates whether each agency has listed any ingredient as a carcinogen. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. |

| Chemical Name             | ACGIH | IARC     | NTP   | OSHA |
|---------------------------|-------|----------|-------|------|
| Carbon black<br>1333-86-4 | A3    | Group 2B | -     | X    |
| Quartz<br>14808-60-7      | A2    | Group 1  | Known | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)  
A2 - Suspected Human Carcinogen  
A3 - Confirmed animal carcinogen with unknown relevance to humans  
IARC (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans  
Group 2B - Possibly Carcinogenic to Humans  
NTP (National Toxicology Program)  
Known - Known Carcinogen  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

| Chemical Name  | Algae/aquatic plants   | Fish   | Toxicity to Microorganisms | Crustacea                               |
|--|--|--|----------------------------|---|
| Limestone<br>1317-65-3                                       | CE50 (72h) >200mg/L Algae (Desmodesmus subspicatus)            | CL50 (96h)>10000mg/L Fish (Oncorhynchus mykiss)    |                            | CE50 (48h) >1000 mg/L Daphnia Magna     |
| Carbonic acid, calcium salt (1:1)<br>471-34-1                | IC50 72H Algae >1000 mg/l                                      | CL50 96H Fish >1000 mg/l                           |                            | EC50 48H Daphnia >1000 mg/l             |
| Silane, ethenyltrimethoxy-<br>2768-02-7                      | EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3 | LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)        |                            | EC50(48hr) 168.7mg/l (Daphnia magna)    |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine<br>1760-24-3 |  | LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static |                            | EC50 (48h) =81mg/L Daphnia magna Static |



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|  |   |  |  |  |
|--|---|--|--|--|
| Carbon black<br>1333-86-4  | >10000 mg/l (Desmodesmus<br>subspicatus) OECD 202 | >1000 mg/l (Brachydanio<br>rerio) OCDE 203 |  | EC50: >5600mg/L (24h,<br>Daphnia magna)  |
| Tin,<br>dibutylbis(2,4-pentanedionat<br>o-O,O')-, (OC-6-11)-<br>22673-19-4 | >2.0 mg/l   | >2.0 mg/l                                  |  | EC50 0.0036 mg/l 48Hr<br>(Daphnia magna) |

## 12.2. Persistence and degradability

No information available.

## 12.3. Bioaccumulative potential

No information available.

## 12.4. Mobility in soil

No information available.

## Other adverse effects

No information available

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

#### **Disposal of Wastes**

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

#### **Contaminated packaging**

Dispose of in accordance with federal, state and local regulations

## **Section 14: TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## **Section 15: REGULATORY INFORMATION**

### Global Inventories

|             |        |
|-------------|--------|
| <b>TSCA</b> | Listed |
| <b>DSL</b>  | Listed |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

### United States of America

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

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chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

## **SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

## **Europe**

### **Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation

### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## **Section 16: OTHER INFORMATION**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

No information available

### **Key Literature References and Sources for Data**

No information available

|                            |   |
|----------------------------|---|
| <b>Prepared By</b>         | Product Safety & Regulatory Affairs   |
| <b>Revision Date</b>       | 28-Jan-2019   |
| <b>Revision note</b>       | SDS sections updated, 2, 5, 7, 11.  |
| <b>Training Advice</b>     | When working with hazardous materials, regular training of operators is required by law |
| <b>Further information</b> | No information available  |

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**