

**BOSTIK UNIGRIP 999 HR**  
 Revision Number 2.01

Revision Date 24-May-2018  
 Supersedes Date: 14-Jun-2017

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** BOSTIK UNIGRIP 999 HR  
**Pure substance/mixture** Mixture

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

**Recommended use** Contact adhesives.  
**Uses advised against** Consumer use.

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

#### Company Name

Bostik New Zealand Limited  
 19 Eastern Hutt Road Wingate,  
 Lower Hutt, New Zealand  
 Tel: 04-567 5119  
 Fax: 04-567 5412

### 1.4. Emergency telephone number

**Emergency Telephone** 24 Hr: 0800 243 622  
 +64 4 917 9888  
 Poison Centre : 0800 764 766

**E-mail address** SDS.AP@Bostik.com

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

|                                                    |                                 |
|----------------------------------------------------|---------------------------------|
| Aspiration toxicity                                | Category 1 (6.1E <sup>9</sup> ) |
| Skin Corrosion/Irritation                          | Category 2 (6.3A)               |
| Serious Eye Damage/Eye Irritation                  | Category 2 (6.4)                |
| Reproductive toxicity                              | Category 2 (6.8B)               |
| STOT - Single Exposure                             | Category 3 (1)                  |
| Specific target organ toxicity (repeated exposure) | Category 2 (6.9B)               |
| Acute aquatic toxicity                             | Category 3 (9.1D)               |
| Flammable Liquids                                  | Category 2 (3.1B)               |

Classification in parenthesis is applicable for New Zealand Hazard Classification

**ERMA Group** HSR002662

### 2.2. Label Elements



**Signal Word**

DANGER

#### Hazard statements

H304 - May be fatal if swallowed and enters airways  
 H315 - Causes skin irritation

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H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H402 - Harmful to aquatic life  
H225 - Highly flammable liquid and vapor

## **Precautionary Statements - Prevention**

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P281 - Use personal protective equipment as required  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P235 - Keep cool

## **Precautionary Statements - Response**

P321 - Specific treatment (see supplemental first aid instructions on this label)

### **Inhalation**

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### **Skin**

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 - Wash contaminated clothing before reuse

### **Eyes**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

### **Ingestion**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

### **Fire**

In case of fire: Use CO2, dry chemical, or foam to extinguish

## **Precautionary Statements - Storage**

P405 - Store locked up

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

## **Precautionary Statements - Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

## **2.3. Other Hazards**

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## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

| Chemical Name                                                                                                                                                              | CAS No     | Weight-%     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| Acetone                                                                                                                                                                    | 67-64-1    | 20- <40      |
| Methyl ethyl ketone                                                                                                                                                        | 78-93-3    | 20- <40      |
| Toluene                                                                                                                                                                    | 108-88-3   | 10 - <20     |
| Bayer                                                                                                                                                                      | --         | 10 - <20     |
| Silica, amorphous                                                                                                                                                          | 7631-86-9  | 0.1- <1      |
| Water                                                                                                                                                                      | 7732-18-5  | 0.1- <1      |
| Bis(2,6-diisopropylphenyl)carbodiimide                                                                                                                                     | 2162-74-5  | 0.1- <1      |
| Benzenepropanoic acid,<br>3,5-bis(1,1-dimethylethyl)-4-hydroxy-,<br>2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyph<br>enyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester | 6683-19-8  | 0.01 - < 0.1 |
| 2-Benzotriazolyl-4-methylphenol                                                                                                                                            | 2440-22-4  | 0.01 - < 0.1 |
| Benzene, 2-isocyanato-1,3-bis(1-methylethyl)-                                                                                                                              | 28178-42-9 | <0.01        |

\*\*\* Any remaining ingredients are not hazardous

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|                                    |                                                                                                                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Advice                     | If medical advice is needed, have product container or label at hand.                                                                                                                           |
| Inhalation                         | Remove to fresh air.                                                                                                                                                                            |
| Skin Contact                       | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.                                                                                                   |
| Eye contact                        | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| Ingestion                          | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.                                                                                         |
| Self-Protection of the First Aider | Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.                                                              |

### 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 | Treat symptomatically. |
|--------------------|------------------------|

### 4.4. Reference to Other Sections

|                             |                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Reference to other sections | See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

|                              |                                 |
|------------------------------|---------------------------------|
| Suitable Extinguishing Media | Use CO2, dry chemical, or foam. |
|------------------------------|---------------------------------|

|                                |                           |
|--------------------------------|---------------------------|
| Unsuitable Extinguishing Media | No information available. |
|--------------------------------|---------------------------|

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

**Specific Hazards Arising from the Chemical** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## 5.3. Advice for firefighters

**Special Protective Equipment for Fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**For emergency responders** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2. Environmental precautions

**Environmental Precautions** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

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

**Methods for Containment** Dike far ahead of spill; use dry sand to contain the flow of material. 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 clean non-sparking tools to collect absorbed material. Dike far ahead of spill for later disposal.

### 6.4. Reference to other sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION  
Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### 7.1. Precautions for safe handling

**Advice on safe handling** Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

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

**General Hygiene Considerations** Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

**Storage Conditions** Keep only in the original container/package in a cool well-ventilated place. Protect from moisture.

**Incompatible Materials** Strong acids and bases

### 7.3. Specific end use(s)

**Other Information** No information available.

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## 7.4. References to Other Sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

| Chemical Name                                                      | New Zealand                                                                                   | Australia                                                                                 | European Union                                                                                |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Acetone<br>67-64-1                                                 | TWA: 500 ppm<br>TWA: 1185 mg/m <sup>3</sup><br>STEL: 1000 ppm<br>STEL: 2375 mg/m <sup>3</sup> | 500 ppm TWA<br>1185 mg/m <sup>3</sup> TWA<br>1000 ppm STEL<br>2375 mg/m <sup>3</sup> STEL | TWA: 500 ppm<br>TWA: 1210 mg/m <sup>3</sup>                                                   |
| Methyl ethyl ketone<br>78-93-3                                     | TWA: 150 ppm<br>TWA: 445 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 890 mg/m <sup>3</sup>    | 150 ppm TWA<br>445 mg/m <sup>3</sup> TWA<br>300 ppm STEL<br>890 mg/m <sup>3</sup> STEL    | TWA: 200 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 900 mg/m <sup>3</sup>    |
| Toluene<br>108-88-3                                                | TWA: 50 ppm<br>TWA: 188 mg/m <sup>3</sup><br>Skin                                             | 50 ppm TWA<br>191 mg/m <sup>3</sup> TWA<br>150 ppm STEL<br>574 mg/m <sup>3</sup> STEL     | TWA: 50 ppm<br>TWA: 192 mg/m <sup>3</sup><br>STEL: 100ppm<br>STEL: 384mg/m <sup>3</sup><br>S* |
| Silica, amorphous<br>7631-86-9                                     | -                                                                                             | 2 mg/m <sup>3</sup> TWA                                                                   | -                                                                                             |
| Benzene,<br>2-isocyanato-1,3-bis(1-methylethyl<br>)-<br>28178-42-9 | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.07 mg/m <sup>3</sup>                                   | 0.02 mg/m <sup>3</sup> TWA<br>0.07 mg/m <sup>3</sup> STEL                                 | -                                                                                             |

| Chemical Name                  | ACGIH TLV                     | NIOSH IDLH                                                                                                   | OSHA PEL                                                           |
|--------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Acetone<br>67-64-1             | STEL: 500 ppm<br>TWA: 250 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>                                                 | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup>                       |
| Methyl ethyl ketone<br>78-93-3 | STEL: 300 ppm<br>TWA: 200 ppm | IDLH: 3000 ppm<br>TWA: 200 ppm<br>TWA: 590 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 885 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 590 mg/m <sup>3</sup>                         |
| Toluene<br>108-88-3            | TWA: 20 ppm                   | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup>  | TWA: 200 ppm<br>Ceiling: 300 ppm                                   |
| Silica, amorphous<br>7631-86-9 | -                             | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup>                                                     | TWA: 20 mppcf<br>: (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA |

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

OTHER INFORMATION No information available

### 8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

#### PPE - Personal Protection Equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).  
Skin and Body Protection Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.

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|                                |                                                                                                                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hand 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         | No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended. |
| General Hygiene Considerations | Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.                                                                         |

**Environmental Exposure Controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                |                          |
|----------------|--------------------------|
| Appearance     | Viscosity Liquid Medium  |
| Color          | Clear to slightly cloudy |
| Odor           | Solvent                  |
| Odor Threshold | No information available |

| Property                       | Values                   | Remarks • Method           |
|--------------------------------|--------------------------|----------------------------|
| pH                             | No information available |                            |
| Melting point / freezing point | No information available |                            |
| Boiling point / boiling range  | approx 56 °C / 132.8 °F  |                            |
| Flash Point                    | approx -17 °C / 1.4 °F   |                            |
| Evaporation Rate               | No information available |                            |
| Flammability (solid, gas)      | No information available | Not applicable for liquids |
| Flammability Limit in Air      |                          |                            |
| Upper flammability limit:      | 12.2                     |                            |
| Lower flammability limit:      | 2.0                      |                            |
| Vapor Pressure                 | No information available |                            |
| Vapor Density                  | No information available |                            |
| Relative Density               | No information available |                            |
| Water Solubility               | Partially soluble        |                            |
| Solubility in Other Solvents   | No information available |                            |
| 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 |
| Solid content (%)   | approx 18                |
| Density             | 0.86 g/cm <sup>3</sup>   |
| Bulk Density        | No information available |
| VOC                 | > 300 g/L                |

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

**Reactivity** Stable under recommended storage conditions.

### 10.2. Chemical stability

**Stability** Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

**Possibility of Hazardous Reactions** None under normal processing.

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**Hazardous Polymerization** None under normal processing.

## 10.4. Conditions to avoid

**Conditions to avoid** Keep away from heat, sparks and flames. Protect from moisture.

## 10.5. Incompatible materials

**Incompatible Materials** Strong acids and bases.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

## **Section 11: TOXICOLOGY 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.

#### Numerical measures of toxicity

##### **Unknown acute toxicity**

0.090005 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
0.090005 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
35.918955 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
65.894955 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
0.090005 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

| Chemical Name                                                                                                                                                                 | Oral LD50                         | Dermal LD50                       | Inhalation LC50                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|
| Acetone<br>67-64-1                                                                                                                                                            | = 5800 mg/kg ( Rat )              | >15800 mg/Kg (rat)                | = 79 mg/l( Rat ) 4 h                 |
| Methyl ethyl ketone<br>78-93-3                                                                                                                                                | = 2483 mg/kg ( Rat )              | = 5000 mg/kg ( Rabbit )           | = 11700 ppm ( Rat ) 4 h              |
| Toluene<br>108-88-3                                                                                                                                                           | = 5580 mg/kg ( Rat )              | = 12000 mg/kg ( Rabbit )          | > 20 mg/L ( Rat ) 4 h                |
| Silica, amorphous<br>7631-86-9                                                                                                                                                | = 7900 mg/kg ( Rat )              | > 5000 mg/kg ( Rabbit )           | > 2.2 mg/L ( Rat ) 1 h               |
| Water<br>7732-18-5                                                                                                                                                            | > 90 mL/kg ( Rat )                | -                                 | -                                    |
| Bis(2,6-diisopropylphenyl)carbodiimide<br>2162-74-5                                                                                                                           | 300<=LD50>=2000 mg/kg ( Rat )     | LD50 >2000 mg/Kg (Rat)            | -                                    |
| Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester<br>6683-19-8 | >5000 mg/Kg (Rat) OECD 401        | >3160 mg/Kg (Rabbit)              | > 46 mg/L ( Rat ) 1 h                |
| 2-Benzotriazolyl-4-methylphenol<br>2440-22-4                                                                                                                                  | LD50 >10000 mg/kg (Rat)(OECD 423) | LC50 >2000 mg/kg (Rat) (OECD 402) | > 1420 mg/m <sup>3</sup> ( Rat ) 4 h |
| Benzene, 2-isocyanato-1,3-bis(1-methylethyl)-<br>28178-42-9                                                                                                                   | = 1414 mg/kg ( Rat )              | -                                 | = 47 mg/m <sup>3</sup> ( Rat ) 4 h   |

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

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|                                          |                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Skin Corrosion/Irritation</b>         | No information available.                                                            |
| <b>Serious Eye Damage/Eye Irritation</b> | No information available.                                                            |
| <b>Sensitization</b>                     | No information available.                                                            |
| <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>STOT - Single Exposure</b>            | No information available.                                                            |
| <b>STOT - Repeated Exposure</b>          | No information available.                                                            |
| <b>Target Organ Effects</b>              | Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.               |
| <b>Aspiration hazard</b>                 | No information available.                                                            |
| <b>Carcinogenicity</b>                   | No information available.                                                            |

| Chemical Name     | IARC    | China | Japan |
|-------------------|---------|-------|-------|
| Toluene           | Group 3 | -     | -     |
| Silica, amorphous | Group 3 | -     | -     |

**IARC (International Agency for Research on Cancer)** Group 3 - Not Classifiable as to Carcinogenicity in Humans

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

#### Product Information

Harmful to aquatic life.

#### Component Information

Data obtained on the component(s) include

| Chemical Name                                                                                                                                                                                     | Algae/aquatic plants                                       | Fish                                                                                                                             | Crustacea                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Acetone<br>67-64-1                                                                                                                                                                                | -                                                          | LC50 96 h 4.74 - 6.33 mL/L<br>(Oncorhynchus mykiss )                                                                             | EC50 48 h 10294 - 17704 mg/L<br>(Daphnia magna Static)                                         |
| Methyl ethyl ketone<br>78-93-3                                                                                                                                                                    | EC50=1972 mg/l<br>(Pseudokirchneriella subcapitata)        | LC50 96 h 3130 - 3320 mg/L<br>(Pimephales promelas<br>flow-through)                                                              | EC50 48 h > 308 mg/L (Daphnia<br>magna )                                                       |
| Toluene<br>108-88-3                                                                                                                                                                               | EC50 72 h = 12.5 mg/L<br>(Pseudokirchneriella subcapitata) | LC50 96 h 5.89 - 7.81 mg/L<br>(Oncorhynchus mykiss<br>flow-through) LC50 96 h = 5.8<br>mg/L (Oncorhynchus mykiss<br>semi-static) | EC50 48 h 5.46 - 9.83 mg/L<br>(Daphnia magna Static) EC50 48 h<br>= 11.5 mg/L (Daphnia magna ) |
| Silica, amorphous<br>7631-86-9                                                                                                                                                                    | EC50 72 h = 440 mg/L<br>(Pseudokirchneriella subcapitata)  | LC50 96 h = 5000 mg/L<br>(Brachydanio rerio static)                                                                              | EC50 48 h = 7600 mg/L<br>(Ceriodaphnia dubia )                                                 |
| Bis(2,6-diisopropylphenyl)carbodiimide<br>2162-74-5                                                                                                                                               | -                                                          | LC50 = 6727 mg/L Fish (Danio<br>rerio) (OECD 203)                                                                                | -                                                                                              |
| Benzenepropanoic acid,<br>3,5-bis(1,1-dimethylethyl)-4-hydroxy-<br>y-,<br>2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-<br>4-hydroxyphenyl]-1-oxopropoxy]<br>methyl]-1,3-propanediyl ester<br>6683-19-8 | EC50 72 h > 100 mg/L<br>(Desmodesmus subspicatus)          | LC50 96 h > 100 mg/L<br>(Brachydanio rerio )<br>OECD 203                                                                         | EC50 24 h > 86 mg/L (Daphnia<br>magna )<br>OECD 202                                            |
| 2-Benzotriazolyl-4-methylphenol<br>2440-22-4                                                                                                                                                      | -                                                          | LC50 (96h) >0.17 mg/L<br>(Oncorhynchus mykiss)<br>Semi-static (OECD 203)                                                         | EC50 (24h) >1000 mg/L (Daphnia<br>magna) Static (OECD 202)                                     |
| Benzene,<br>2-isocyanato-1,3-bis(1-methylethyl)-<br>28178-42-9                                                                                                                                    | -                                                          | LC50 >100 mg/L Fish (Danio rerio)                                                                                                | -                                                                                              |

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

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No information available.

## 12.4. Mobility in soil

No information available.

## 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or 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** Improper disposal or reuse of this container may be dangerous and illegal.

## Section 14: TRANSPORTATION INFORMATION

### IMDG

|                            |                                        |
|----------------------------|----------------------------------------|
| UN Number                  | UN1133                                 |
| Proper Shipping Name       | Adhesives                              |
| Transport hazard class(es) | 3                                      |
| Packing Group              | II                                     |
| EmS-No                     | F-E, S-D                               |
| Limited Quantity (LQ)      | 5 L                                    |
| Description                | UN1133, Adhesives, 3, II, (-17°C c.c.) |

### IATA

|                            |                          |
|----------------------------|--------------------------|
| UN/ID No                   | UN1133                   |
| Proper Shipping Name       | Adhesives                |
| Transport hazard class(es) | 3                        |
| Packing Group              | II                       |
| ERG Code                   | 3L                       |
| Limited Quantity (LQ)      | 1 L                      |
| Special Provisions         | A3                       |
| Description                | UN1133, Adhesives, 3, II |

### ADR

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| UN/ID No                   | UN1133                                                     |
| Proper Shipping Name       | Adhesives, Environmentally Hazardous                       |
| Transport hazard class(es) | 3                                                          |
| Labels                     | 3                                                          |
| Packing Group              | II                                                         |
| Description                | UN1133, Adhesives, Environmentally Hazardous, 3, II, (D/E) |
| Environmental Hazard       | Yes                                                        |
| Limited Quantity (LQ)      | 5 L                                                        |
| Special Provisions         | 640C                                                       |
| Classification Code        | F1                                                         |
| Tunnel Restriction Code    | (D/E)                                                      |

## Section 15: REGULATORY INFORMATION

### National Regulations

## Section 16: OTHER INFORMATION

# Safety Data Sheet

**BOSTIK UNIGRIP 999 HR**  
**Revision Number** 2.01

**Revision Date** 24-May-2018  
**Supersedes Date:** 14-Jun-2017

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**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

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 24-May-2018

**Revision Note** Not applicable.

**Training Advice** Provide adequate information, instruction, and training for operator

**Disclaimer**

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**End of Safety Data Sheet**