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

1.1. Product Identifier

Product Name Ultraset Singlestep 2
Pure substance/mixture Mixture

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

Company Name Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412
E-mail address SDS.AP@Bostik.com

Manufacturer Bostik Australia Pty Ltd
51-71 High Street,
Thomastown Victoria
Australia
Tel: 613 9279-9333
Fax: 613 9279-9342

ABN: 79 003 893 838

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: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 3</td>
</tr>
<tr>
<td>Skin sensitzation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

ERMA Group HSR002670

2.2. Label Elements

Signal Word DANGER

Hazard statements
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction
H360 - May damage fertility or the unborn child
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H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

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
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves
P273 - Avoid release to the environment

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

Skin
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P273 - Avoid release to the environment

Precautionary Statements - Storage
P405 - Store locked up

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

2.3. Other Hazards

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silane, ethenyltrimethoxy-</td>
<td>2768-02-7</td>
<td>1 - &lt;3</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine</td>
<td>1760-24-3</td>
<td>0.1 - &lt;1</td>
</tr>
<tr>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-</td>
<td>22673-19-4</td>
<td>0.1 - &lt;1</td>
</tr>
</tbody>
</table>

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation Remove to fresh air.

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

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

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

Self-Protection of the First Aider 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.

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Remove all sources of ignition.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

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

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

Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

7.2. Conditions for safe storage, including any incompatibilities

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.
Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container tightly closed and dry. Product cures with moisture. Keep from freezing.

Incompatible Materials
No information available

7.3. Specific end use(s)
Specific Use(s)
Adhesives.

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 Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Zealand</th>
<th>Australia</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tin, dibutylybis(2,4-pentanedionato-O,O')- (OC-6-11)-22673-19-4</td>
<td>TWA: 0.1 mg/m³ Skin</td>
<td>0.1 mg/m³ TWA</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.2 mg/m³ Skin</td>
<td>0.2 mg/m³ STEL</td>
<td></td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

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

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.
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 Local authorities should be advised if significant spillages cannot be contained. Do not
allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Thixotropic Paste</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Cream</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Fruity</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 93 °C / &gt; 199.4 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
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<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
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<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
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<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
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<td></td>
</tr>
<tr>
<td>Softening Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solvent content (%)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solid content (%)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.42 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>VOC (volatile organic compound)</td>
<td>&lt; 1 g/L</td>
<td></td>
</tr>
</tbody>
</table>

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Protect from moisture. Product cures with moisture.
10.5. Incompatible materials

Incompatible Materials
No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products
None under normal use conditions.

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 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silane, ethenylmethoxy-2768-02-7</td>
<td>LD 50 = 7120 - 7238 mg/kg (Rat) OECD 401</td>
<td>= 3360 µL/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine 1760-24-3</td>
<td>= 2413 mg/kg (Rat) = 7460 µL/kg (Rat)</td>
<td>-</td>
<td>LC50 4H (Aerosol) 1.5 - 2.44 mg/L air</td>
</tr>
<tr>
<td>Tin, dibutylibis(2,4-pertanedionato-O,O')-, (OC-6-11)- 22673-19-4</td>
<td>LD50 = 1864 mg/kg (Rat) OECD 401</td>
<td>LD50 &gt; 2000 mg/kg (Rat) OECD 402</td>
<td>-</td>
</tr>
</tbody>
</table>

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

| Skin Corrosion/Irritation | No information available. |
| Serious Eye Damage/Eye Irritation | No information available. |
| Sensitization | No information available. |
| Germ Cell Mutagenicity | No information available. |
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Target Organ Effects | Eyes, Respiratory system, Skin. |
| Aspiration hazard | No information available. |
| Carcinogenicity | No information available. |

IARC (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ultraset Singlestep 2
Revision Number 1

Revision Date: 21-Aug-2018
Supersedes Date: 21-Aug-2018

Ecotoxicity

**Product Information**
Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Component Information**
Data obtained on the component(s) include

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silane, ethenyltrimethoxy-2768-02-7</td>
<td>EC 50 (72h) &gt; 957 mg/l (Desmodesmus subspicatus) EU Method C.3</td>
<td>L50 (96h) = 191 mg/l (Oncorhynchus mykiss)</td>
<td>EC50(48h) 168.7mg/l (Daphnia magna)</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanedi-1760-24-3</td>
<td>-</td>
<td>LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static</td>
<td>EC50 (48h) =81mg/L Daphnia magna Static</td>
</tr>
<tr>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-(OC-6-11)-</td>
<td>&gt;2.0 mg/l</td>
<td>&gt;2.0 mg/l</td>
<td>EC50 0.0036 mg/l 48Hr (Daphnia magna)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects
No information available.

Endocrine Disruptor Information

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
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORTATION INFORMATION

IMDG
Not regulated

IATA
Not regulated

ADR
Not regulated

Section 15: REGULATORY INFORMATION

National Regulations
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

Prepared By
Product Safety & Regulatory Affairs

Revision Date
21-Aug-2018

Revision Note
Not applicable.

Training Advice
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