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

1.1. Product Identifier

Product Name: BOSTIK EPDM 1 SOLGRIP ADHESIVE
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: 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

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

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1 (6.1E&lt;sup&gt;9&lt;/sup&gt;)</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2 (6.3A)</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2 (6.8B)</td>
</tr>
<tr>
<td>STOT - Single Exposure</td>
<td>Category 3 (1')</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 2 (9.1D)</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 2 (9.1B)</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>Category 2 (3.1B)</td>
</tr>
</tbody>
</table>

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
- H336 - May cause drowsiness or dizziness
H361 - Suspected of damaging fertility or the unborn child  
H411 - Toxic to aquatic life with long lasting effects   
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  
P261 - Avoid breathing 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  
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  
Spill  
P391 - Collect spillage  

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  

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>Cyclohexane</td>
<td>110-82-7</td>
<td>10 - &lt;20</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>108-87-2</td>
<td>5 - &lt;10</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>5 - &lt;10</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>1 - &lt;5</td>
</tr>
</tbody>
</table>

*** 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.

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
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.

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
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Zealand</th>
<th>Australia</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA: 100 ppm</td>
<td>100 ppm TWA</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 350 mg/m³</td>
<td>350 mg/m³ TWA</td>
<td>TWA: 700 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL: 300 ppm STEL</td>
<td>300 ppm STEL</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>STEL: 1050 mg/m³</td>
<td>1050 mg/m³ STEL</td>
<td>-</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-82-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 400 ppm</td>
<td>400 ppm TWA</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>TWA: 1610 mg/m³</td>
<td>1610 mg/m³ TWA</td>
<td>-</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-87-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 50 ppm</td>
<td>50 ppm TWA</td>
<td>TWA: 50 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 188 mg/m³</td>
<td>191 mg/m³ TWA</td>
<td>TWA: 192 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Skin</td>
<td>150 ppm STEL</td>
<td>STEL: 100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>574 mg/m³ STEL</td>
<td>STEL: 384 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>S*</td>
</tr>
<tr>
<td>Toluene</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 20 ppm</td>
<td>20 ppm TWA</td>
<td>TWA: 20 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 72 mg/m³</td>
<td>72 mg/m³ TWA</td>
<td>TWA: 72 mg/m³</td>
</tr>
<tr>
<td>Hexane</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-54-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>NIOSH IDLH</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscosity Liquid Medium</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</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>approx 50 °C / 122 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>approx -30 °C / -22 °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></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>1.1</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>Negligible</td>
<td></td>
</tr>
</tbody>
</table>
Safety Data Sheet

BOSTIK EPDM 1 SOLGRIP ADHESIVE
Revision Number 1.01
Revision Date 24-May-2018
Supersedes Date: 01-Jun-2017

9.2. Other information

Softening Point: No information available
Molecular Weight: No information available
Solvent content (%): No information available
Solid content (%): approx 34
Density: 0.9 g/cm³
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.
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
0.0520016 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
Safety Data Sheet

BOSTIK EPDM 1 SOLGRIP ADHESIVE

Revision Date 24-May-2018
Revision Number 1.01
Supersedes Date: 01-Jun-2017

0.0520016 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
12.5218016 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
22.6164016 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
30.3358016 % 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>Cyclohexane</td>
<td>110-82-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>= 12705 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 9500 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>108-87-2</td>
<td>&gt; 3200 mg/kg (Rat)</td>
<td>&gt;2920 mg/Kg bw (rat) 24 hour</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>= 5580 mg/kg (Rat)</td>
<td>= 12000 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>= 25 g/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</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: Product is or contains a chemical which is a known or suspected reproductive hazard.
STOT - Single Exposure: No information available.
STOT - Repeated Exposure: No information available.
Target Organ Effects: Central nervous system, Eyes, Kidney, Liver, Peripheral Nervous System (PNS), Respiratory system, Skin.
Aspiration hazard: No information available.
Carcinogenicity: No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>China</th>
<th>Japan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>Group 3</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>IARC (International Agency for Research on Cancer)</td>
<td>Group 3 - Not Classifiable as to Carcinogenicity in Humans</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information
Toxic 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>Cyclohexane</td>
<td>EC50 72 h &gt; 9.3 mg/L (Pseudokircherleriella subcapitata)</td>
<td>LC50 96 h 23.03 - 42.07 mg/L (Pimephales promelas static) LC50 96 h 48.87 - 68.76 mg/L (Poecilia reticulata static) LC50 96 h 3.96 - 5.18 mg/L (Pimephales promelas flow-through) LC50 96 h 24.99 - 44.69 mg/L (Lepomis macrochirus static)</td>
<td>EC50 24 h &gt; 400 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>108-87-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>10 mg/l (Pseudokircherleriella subcapitata - OECD 201)</td>
<td>2.07 mg/l (Oryzias latipes )</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Page 7 / 9
12.3. Bioaccumulative potential

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, (-30°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

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
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