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

1.1. Product Identifier

Product Name: BOSTIK(R) BLADECOTE
Pure substance/mixture: Mixture

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

Recommended use: lubricant.
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

Manufacturer: 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

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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2 (6.3A)</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 2A (6.4A)</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1B (6.8A)</td>
</tr>
<tr>
<td>STOT - Single Exposure</td>
<td>Category 3 (f)</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 1 (9.1A)</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 1 (9.1A)</td>
</tr>
<tr>
<td>Aerosols</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

ERMA Group: HSR002515

2.2. Label Elements

Signal Word: DANGER

Hazard statements:
- H336 - May cause drowsiness or dizziness
- H319 - Causes serious eye irritation
- H360 - May damage fertility or the unborn child
- H315 - Causes skin irritation
H410 - Very toxic to aquatic life with long lasting effects  
H222 - Extremely flammable aerosol  
H229 - Pressurized container: May burst if heated

Precautionary Statements - General
P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children

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  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use

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
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash 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

Spill
P391 - Collect spillage

Precautionary Statements - Storage
P405 - Store locked up  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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>2,2,4-Trimethylpentane</td>
<td>540-84-1</td>
<td>10 - &lt;20</td>
</tr>
<tr>
<td>Naphtha, petroleum, light alkylate</td>
<td>64741-66-8</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>1-Decene, homopolymer, hydrogenated</td>
<td>68037-01-4</td>
<td>1 - &lt;3</td>
</tr>
</tbody>
</table>

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice
Get medical advice/attention. Remove and isolate contaminated clothing and shoes.

Inhalation
Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
Skin Contact
In case of contact with liquefied gas, thaw frosted parts with lukewarm water.

Eye Contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion
Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-Protection of the First Aider
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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
Keep victim warm and quiet.

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
Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO2. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

Unsuitable Extinguishing Media
No information available.

5.2. Special hazards arising from the substance or mixture
Specific Hazards Arising from the Chemical
Some may burn but none ignite readily. Ruptured cylinders may rocket.

5.3. Advice for firefighters
Special Protective Equipment for Fire-fighters
Caution! Container under pressure. Heating causes rise in pressure with risk of bursting. Cool container with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Personal Precautions
Remove all possible sources of ignition in the surrounding area. Ensure adequate ventilation, especially in confined areas.

Other Information
Ventilate the area.

6.2. Environmental precautions
Environmental Precautions
Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.

6.3. Methods and material for containment and cleaning up
Methods for Containment
If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.

Methods for cleaning up
Do not direct water at spill or source of leak.

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
Ensure adequate ventilation, especially in confined areas. Use only in well-ventilated areas. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Pressurized container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities
General Hygiene Considerations
When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Recommended storage temperature. 10 - 35 °C. Observe local regulations / instructions for storage of pressurized containers.

Incompatible Materials
No information available

7.3. Specific end use(s)
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>ACGIH TLV</th>
<th>NIOSH IDLH</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane 540-84-1</td>
<td>TWA: 300 ppm</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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.

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>Aerosol</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>White</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>Property</td>
<td>Values</td>
<td>Remarks • Method</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>-50 °C / -58 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</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>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>9.2. Other information</td>
<td></td>
<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>6.8</td>
</tr>
<tr>
<td>Density</td>
<td>.820 g/ml</td>
<td></td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td>&lt; 20 %</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: Heating causes rise in pressure with risk of bursting.

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

29.227% of the mixture consists of ingredient(s) of unknown acute oral toxicity
29.227% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
48.687% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
48.687% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
30.787% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane 540-84-1</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 14.38 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Naphtha, petroleum, light alkylate 64741-66-8</td>
<td>&gt; 7000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 6.31 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>1-Decene, homopolymer, hydrogenated 68037-01-4</td>
<td>LD50 &gt;2000 mg/Kg (Rat)</td>
<td>LD50 &gt;2000 mg/Kg (Rat)</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: Central nervous system, Eyes, Respiratory system, Skin.
Aspiration hazard: No information available.
Carcinogenicity: The following substance(s) are classified in Annex VI CLP (1272/2008) as carcinogenic.

IARC (International Agency for Research on Cancer): Group 1 - Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans.
Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information
Very 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>Naphtha, petroleum, light alkylate</td>
<td>EC50 72 h = 6.4 mg/L (Pseudokirchneriella subcapitata)</td>
<td>-</td>
<td>LC50 48 h = 2 mg/L (Mysidopsis bahia)</td>
</tr>
<tr>
<td>64741-66-8</td>
<td></td>
<td></td>
<td></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
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
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORTATION INFORMATION

IMDG

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Marine Pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1950</td>
<td>Aerosols (2,2,4-Trimethylpentane), Marine Pollutant</td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P. This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EmS-No</th>
<th>Special Provisions</th>
<th>Limited Quantity (LQ)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-D, S-U</td>
<td>63,190, 277, 327, 344, 381, 959</td>
<td>See SP277</td>
<td>UN1950, Aerosols (2,2,4-Trimethylpentane), 2.1, (-50°C c.c.), Marine Pollutant</td>
</tr>
</tbody>
</table>

IATA

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1950</td>
<td>Aerosols, flammable</td>
</tr>
</tbody>
</table>
Section 15: REGULATORY INFORMATION

National Regulations

Section 16: OTHER INFORMATION

Chronic Hazard Star Legend  
* = Chronic Health Hazard

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  
08-May-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

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