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

1.1. Product Identifier

Product Name: BOSTIK 33 LV ADHESIVE

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

Bostik Australia Pty Ltd
51-71 High street,
Thomastown Victoria,
Australia
Tel: 613 9279-9333
Fax: 613 9279-9342
24-hr Emergency: 1800 033 111

1.4. Emergency Telephone Number

Emergency Telephone: 24 Hr: 0800 243 622
Poison Centre: 0800 764 766

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

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

ERMA Group: Not applicable

2.2. Label Elements

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

Signal Word: None

Precautionary Statements - Prevention
P264 - Wash hands thoroughly after handling
P281 - Use personal protective equipment as required

Precautionary Statements - Response
P314 - Get medical advice/attention if you feel unwell

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

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

Precautionary Statements - Storage
P401 - Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
P501 - Dispose of contents/containers in accordance with local regulations
Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures
Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl acetate</td>
<td>108-05-4</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
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area. If eye irritation persists: Get medical advice/attention.

Ingestion
Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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
Treat symptomatically.

4.4. Reference to Other Sections

Reference to Other Sections
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11: TOXICOLOGY INFORMATION.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
No information available.

5.2. Special Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products
Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.
5.3. Advice for Firefighters

Special Protective Equipment for Fire-fighters
Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Evacuate personnel to safe areas. Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Environmental Precautions
Keep people away from and upwind of spill/leak.

6.3. Methods and Material for Containment and Cleaning up

Methods for Containment
Stop leak if you can do it without risk.

Methods for Cleaning up
Take up mechanically, placing in appropriate containers for disposal.

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
Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Do not reuse container.

7.2. Conditions for Safe Storage, including any Incompatibilities

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions
Keep from freezing. Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture.

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
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>Vinyl acetate</td>
<td>TWA: 10 ppm</td>
<td>10 ppm</td>
<td>TWA: 5 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 35 mg/m³</td>
<td>35 mg/m³</td>
<td>TWA: 17.6 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL: 20 ppm</td>
<td>20 ppm STEL</td>
<td>STEL: 10 ppm</td>
</tr>
</tbody>
</table>
Safety Data Sheet

BOSTIK 33 LV ADHESIVE

Revision Date 01-Jun-2017
Supersedes Date: 01-Jun-2017

<table>
<thead>
<tr>
<th>STEL: 70 mg/m³</th>
<th>70 mg/m³ STEL</th>
<th>STEL: 35.2 mg/m³</th>
</tr>
</thead>
</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>Vinyl acetate 108-05-4</td>
<td>STEL: 15 ppm</td>
<td>Ceiling: 4 ppm 15 min</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 ppm</td>
<td>Ceiling: 15 mg/m³ 15 min</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
Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas. Use explosion-proof ventilating equipment.

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 No information available.

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>Medium viscosity Emulsion</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Acrid</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>4.5 - 6.5</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>approx 100 °C / 212 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td>Not applicable</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>Not applicable for liquids</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
<td>Not applicable</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>Miscible in water</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>
</tbody>
</table>
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 (%)  >= 60
Density  1.07 g/cm³
Bulk Density  No information available
VOC  <= 3 g/L

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reactivity  None under normal use conditions.

10.2. Chemical Stability
Stability  Stable under normal conditions

10.3. Possibility of Hazardous Reactions
Possibility of Hazardous Reactions  None under normal processing.
Hazardous Polymerization  None known.

10.4. Conditions to Avoid
Conditions to Avoid  Extremes of temperature and direct sunlight. Keep from freezing. Protect from moisture.

10.5. Incompatible Materials
Incompatible Materials  No information available.

10.6. Hazardous Decomposition Products
Hazardous Decomposition Products  Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

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)
Safety Data Sheet

BOSTIK 33 LV ADHESIVE
Revision Date: 01-Jun-2017
Version 1
Supersedes Date: 01-Jun-2017

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl acetate 108-05-4</td>
<td>2900 mg/kg (Rat)</td>
<td>2335 mg/kg (Rabbit)</td>
<td>11400 mg/m³ (Rat) 4 h = 11.4 mg/L (Rat) 4 h</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 No information available.
Aspiration Hazard No information available.
Carcinogenicity The following substance(s) are classified in Annex VI CLP (1272/2008) as carcinogenic.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>China</th>
<th>Japan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl acetate 108-05-4</td>
<td>IARC (International Agency for Research on Cancer) Group 2B</td>
<td>-</td>
<td>Group 2B</td>
</tr>
</tbody>
</table>

IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information
None known.

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>Vinyl acetate 108-05-4</td>
<td>-</td>
<td>LC50 96 h 15.04 - 21.54 mg/L (Lepomis macrochirus static) LC50 96 h = 14 mg/L (Pimephales promelas static) LC50 96 h 26.1 - 36.63 mg/L (Poecilia reticulata static)</td>
<td>EC50 24 h = 52 mg/L (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
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other Adverse Effects

No information available.

Endocrine Disruptor Information

Page 6 / 7
BOSTIK 33 LV ADHESIVE

Revision Date: 01-Jun-2017
Supersedes Date: 01-Jun-2017

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<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EU - Endocrine Disrupters Candidate List</th>
<th>EU - Endocrine Disruptors - Evaluated Substances</th>
<th>Endocrine disrupting potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl acetate</td>
<td>Group III Chemical</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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
01-Jun-2017

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 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