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

1.1. Product Identifier

Product Name: BOSTIK WALLBOARD GOLD
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

Manufacturer: 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: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration hazard</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2 (6.3A)</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1 (6.5B)</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>Specific target organ toxicity (repeated exposure)</td>
<td>Category 2 (6.9B)</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 2 (9.1D)</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 3 (9.1C)</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
Safety Data Sheet

BOSTIK WALLBOARD GOLD
Revision Date 20-May-2019
Revision Number 3
Supersedes Date: 19-Apr-2017

H336 - May cause drowsiness or dizziness
H361 - Suspected of damaging fertility or the unborn child
H317 - May cause an allergic skin reaction
H401 - Toxice to aquatic life
H412 - Harmful to aquatic life with long lasting effects
H373 - May cause damage to organs through prolonged or repeated exposure
H315 - Causes skin irritation
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
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves
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, hot surfaces, sparks, open flames and other ignition sources. 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
P333 + P313 - If skin irritation or rash 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

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

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>Toluene</td>
<td>108-88-3</td>
<td>40 - &lt;80</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>110-82-7</td>
<td>1 - &lt;3</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>0.1-&lt;1</td>
</tr>
<tr>
<td>Tall oil rosin</td>
<td>8052-10-6</td>
<td>0.1-&lt;1</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>0.1-&lt;1</td>
</tr>
<tr>
<td>4-tert-Butylphenol</td>
<td>98-54-4</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

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
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. 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. Move containers from fire area if you can do it without risk.

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).

Hazardous Combustion Products
Carbon oxides.

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). Protect from moisture.

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, hot surfaces, sparks, open flames and other ignition sources. 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. Protect from direct contact with water or excessive moisture.

Incompatible materials
Strong acids and bases

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
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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Zealand</th>
<th>Australia</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>TWA: 50 ppm</td>
<td>50 ppm TWA</td>
<td>TWA: 50 ppm</td>
</tr>
<tr>
<td>108-88-3</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>&quot;*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>574 mg/m³ STEL</td>
<td></td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>TWA: 100 ppm</td>
<td>100 ppm TWA</td>
<td>TWA: 200 ppm</td>
</tr>
</tbody>
</table>
Safety Data Sheet

BOSTIK WALLBOARD GOLD

Revision Number 3

Revision Date 20-May-2019

Supersedes Date: 19-Apr-2017

<table>
<thead>
<tr>
<th>Zinc oxide</th>
<th>1314-13-2</th>
<th>TWA: 10 mg/m³</th>
<th>STEL: 10 mg/m³</th>
<th>TWA: 2 mg/m³ res</th>
<th>TWA: 5 mg/m³ dust</th>
<th>STEL: 10 mg/m³ dust and fume</th>
<th>TWA: 5 mg/m³ fume</th>
<th>TWA: 180 mg/m³</th>
<th>TWA: 500 mg/m³</th>
<th>TWA: 2000 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>TWA: 20 ppm</td>
<td>TWA: 72 mg/m³</td>
<td>STEL: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 180 mg/m³</td>
<td>TWA: 20 mg/m³</td>
<td>TWA: 72 mg/m³</td>
<td>TWA: 72 mg/m³</td>
<td>TWA: 72 mg/m³</td>
</tr>
</tbody>
</table>

Chemical name | ACGIH TLV | NIOSH IDLH | OSHA PEL
--- | --- | --- | ---
Toluene 108-88-3 | TWA: 20 ppm | IDLH: 500 ppm | TWA: 375 mg/m³ |
Cyclohexane 110-82-7 | TWA: 100 ppm | IDLH: 1300 ppm | TWA: 1050 mg/m³ |
Zinc oxide 1314-13-2 | STEL: 10 mg/m³ | IDLH: 500 mg/m³ | TWA: 5 mg/m³ dust and fume |
Hexane 110-54-3 | TWA: 50 ppm | IDLH: 1100 ppm | TWA: 180 mg/m³ |

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

Appearance Liquid Very viscous
Color Yellow
Odor Solvent
Odor Threshold No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>&gt; 50 °C</td>
<td></td>
</tr>
</tbody>
</table>

Page 5 / 10
Safety Data Sheet

BOSTIK WALLBOARD GOLD
Revision Number 3
Revision Date 20-May-2019
Supersedes Date: 19-Apr-2017

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. 45

Density
0.99 g/cm³

Bulk Density
No information available

VOC (volatile organic compound)
> 500 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
Safety Data Sheet

BOSTIK WALLBOARD GOLD
Revision Date 20-May-2019
Revision Number 3
Supersedes Date: 19-Apr-2017

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
13.69647 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
25.57901 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
23.82947 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
24.90797 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
24.90797 % 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 (mg/kg)</th>
<th>Dermal LD50 (mg/kg)</th>
<th>Inhalation LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>5580 (rat)</td>
<td>12000 (rabbit)</td>
<td>&gt;20 (rat) 4h</td>
</tr>
<tr>
<td>Cyclohexane 110-82-7</td>
<td>12705 (rat)</td>
<td>&gt;2000 (rabbit)</td>
<td>&gt;9500 (rat) 4h</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>&gt;5000 (rat)</td>
<td>LD50 &gt;2000 (OECD 402)</td>
<td></td>
</tr>
<tr>
<td>Tall oil resin 8052-10-6</td>
<td>7600 (rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hexane 110-54-3</td>
<td>=25 (rat)</td>
<td>=3000 (rabbit)</td>
<td>=48000 (rat) 4h</td>
</tr>
<tr>
<td>4-tert-Butylphenol 98-54-4</td>
<td>4000 (rat)</td>
<td>LD50 &gt;5000 (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 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 liver, Eyes, kidney, blood, retina, 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 Group 2B - Possibly Carcinogenic to 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. 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>Toluene</td>
<td>EC50 72 h = 12.5 mg/L</td>
<td>LC50 96 h 5.89 - 7.81 mg/L</td>
<td>EC50: =11.5mg/L (48h, Daphnia)</td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability

No information available.

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
<th>Bioconcentration factor (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>2.7</td>
<td>-</td>
</tr>
<tr>
<td>Cyclohexane (110-82-7)</td>
<td>3.44</td>
<td>167</td>
</tr>
<tr>
<td>Tall oil rosin (8052-10-6)</td>
<td>3.6</td>
<td>-</td>
</tr>
<tr>
<td>4-tert-Butylphenol (98-54-4)</td>
<td>2.44</td>
<td>240</td>
</tr>
</tbody>
</table>

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

<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>4-tert-Butylphenol</td>
<td>Group II 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

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Packing Group</th>
<th>Marine Pollutant</th>
<th>EmS-No.</th>
<th>Special Provisions</th>
<th>Limited Quantity (LQ)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1133</td>
<td>Adhesives</td>
<td>3</td>
<td>III</td>
<td>Np</td>
<td>F-E, S-D</td>
<td>223, 955</td>
<td>5 L</td>
<td>UN1133, Adhesives, 3, III, (-20°C c.c.)</td>
</tr>
</tbody>
</table>

IATA

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Packing Group</th>
<th>ERG Code</th>
<th>Limited Quantity (LQ)</th>
<th>Special Provisions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1133</td>
<td>Adhesives</td>
<td>3</td>
<td>III</td>
<td>3L</td>
<td>10 L</td>
<td>A3</td>
<td>UN1133, Adhesives, 3, III</td>
</tr>
</tbody>
</table>

ADR

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Labels</th>
<th>Packaging Group</th>
<th>Description</th>
<th>Limited Quantity (LQ)</th>
<th>Classification Code</th>
<th>Tunnel Restriction Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1133</td>
<td>Adhesives</td>
<td>3</td>
<td>3</td>
<td>III</td>
<td>UN1133, Adhesives, 3, III, (D/E)</td>
<td>5 L</td>
<td>F1</td>
<td>(D/E)</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

20-May-2019

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