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

1.1. Product Identifier

Product Name: BOSTIK 1181S SPRAYABLE RED
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: Consumer use. This article contains hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

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>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration toxicity</td>
<td>1 (6.1E)</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>2 (6.3A)</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>2 (6.4)</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>2 (6.8B)</td>
</tr>
<tr>
<td>STOT - Single Exposure</td>
<td>3 (*)</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>2 (6.9B)</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>2 (9.1D)</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>2 (9.1B)</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>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

Page 1 / 10
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
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
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/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

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

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>Acetone</td>
<td>67-64-1</td>
<td>20- &lt;40</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>20- &lt;40</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>110-82-7</td>
<td>5 - &lt;10</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>108-87-2</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</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>
</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). 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/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. Protect from direct contact with water or excessive 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

<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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>TWA: 500 ppm</td>
<td>500 ppm TWA</td>
<td>TWA: 500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 1185 mg/m³</td>
<td>1185 mg/m³ TWA</td>
<td>TWA: 1210 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL: 1000 ppm</td>
<td>1000 ppm STEL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL: 2375 mg/m³</td>
<td>2375 mg/m³ STEL</td>
<td></td>
</tr>
<tr>
<td>Toluene 108-88-3</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: 384 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>574 mg/m³ STEL</td>
<td>S*</td>
</tr>
<tr>
<td>Cyclohexane 110-82-7</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>
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<td>STEL: 300 ppm</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>Methylcyclohexane 108-87-2</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>Hexane 110-54-3</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>Zinc oxide 1314-13-2</td>
<td>TWA: 10 mg/m³</td>
<td>10 mg/m³ TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 3 mg/m³</td>
<td>5 mg/m³ TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL: 10 mg/m³</td>
<td>10 mg/m³ STEL</td>
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</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>NIOSH IDLH</th>
<th>OSHA PEL</th>
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<td></td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>STEL: 500 ppm</td>
<td>IDLH: 2500 ppm</td>
<td>TWA: 1000 ppm</td>
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<tr>
<td></td>
<td>TWA: 250 ppm</td>
<td>TWA: 250 ppm</td>
<td>TWA: 2400 mg/m³</td>
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<tr>
<td>Toluene 108-88-3</td>
<td>TWA: 20 ppm</td>
<td>IDLH: 500 ppm</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 100 ppm</td>
<td>Ceiling: 300 ppm</td>
</tr>
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<td></td>
<td></td>
<td>TWA: 375 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL: 150 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL: 560 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Cyclohexane 110-82-7</td>
<td>TWA: 100 ppm</td>
<td>IDLH: 1300 ppm</td>
<td>TWA: 300 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 300 ppm</td>
<td>TWA: 1050 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1050 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Methylcyclohexane 108-87-2</td>
<td>TWA: 400 ppm</td>
<td>IDLH: 1200 ppm</td>
<td>TWA: 500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 400 ppm</td>
<td>TWA: 2000 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1600 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Hexane 110-54-3</td>
<td>TWA: 50 ppm S*</td>
<td>IDLH: 1100 ppm</td>
<td>TWA: 500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 50 ppm</td>
<td>TWA: 1800 mg/m³</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>STEL: 10 mg/m³</td>
<td>IDLH: 500 mg/m³</td>
<td>TWA: 5 mg/m³ fume</td>
</tr>
<tr>
<td></td>
<td>respirable particulate matter</td>
<td>Ceiling: 15 mg/m³ dust</td>
<td>TWA: 15 mg/m³ total dust</td>
</tr>
<tr>
<td></td>
<td>TWA: 2 mg/m³</td>
<td>TWA: 5 mg/m³ dust and fume</td>
<td>TWA: 5 mg/m³ respirable fraction</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>Viscosity Liquid Medium</td>
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</tr>
<tr>
<td>Color</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic Solvent</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
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</tr>
<tr>
<td>Property</td>
<td>Values</td>
<td>Remarks + Method</td>
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<tr>
<td>pH</td>
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<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No information available</td>
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</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>approx 50 °C / 122 °F</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>approx -22 °C / -7.6 °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></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>9.3</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>1.4</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
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</tr>
<tr>
<td>Vapor Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
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<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Partially soluble</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>
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<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
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</tr>
<tr>
<td>Kinematic Viscosity</td>
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<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
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</tr>
<tr>
<td>Explosive Properties</td>
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<td>Oxidizing Properties</td>
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</tr>
<tr>
<td>Softening Point</td>
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<tr>
<td>Molecular Weight</td>
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<tr>
<td>Solvent content (%)</td>
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<td></td>
</tr>
<tr>
<td>Solid content (%)</td>
<td>approx 22</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>0.90 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Bulk Density</td>
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<td></td>
</tr>
<tr>
<td>VOC</td>
<td>&gt; 300 g/L</td>
<td></td>
</tr>
</tbody>
</table>

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Stable under recommended storage conditions.

10.2. Chemical stability
Stable under recommended storage conditions

10.3. Possibility of hazardous reactions
None under normal processing.
Safety Data Sheet

BOSTIK 1181S SPRAYABLE RED

Revision Date 27-May-2018
Revision Number 1.01
Supersedes Date: 16-Jun-2017

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
3.48807612 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
17.47753612 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
50.64044612 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
55.35131612 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
31.61014612 % 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>Acetone 67-64-1</td>
<td>5800 mg/kg</td>
<td>&gt;15800 mg/Kg</td>
<td>79 mg/l ( Rat ) 4 h</td>
</tr>
<tr>
<td>Toluene 108-88-3</td>
<td>5580 mg/kg</td>
<td>12000 mg/kg</td>
<td>&gt; 20 mg/L ( Rat ) 4 h</td>
</tr>
<tr>
<td>Cyclohexane 110-82-7</td>
<td>12705 mg/kg</td>
<td>&gt; 2000 mg/kg</td>
<td>&gt; 9500 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>Methylcyclohexane 108-87-2</td>
<td>&gt; 3200 mg/kg</td>
<td>&gt;2920 mg/Kg bw ( rat) 24 hour</td>
<td>&gt;23 mg/l (vapour) (Rat- OECD 403)</td>
</tr>
<tr>
<td>Hexane 110-54-3</td>
<td>= 25 g/kg ( Rat )</td>
<td>= 3000 mg/kg ( Rabbit )</td>
<td>= 48000 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>&gt; 5000 mg/kg</td>
<td>LD50 &gt;2000 mg/Kg (Rat) (OECD 402)</td>
<td>LC50 (4h) &gt;5.7 mg/l</td>
</tr>
<tr>
<td>Tall oil resin 8052-10-6</td>
<td>= 7600 mg/kg ( Rat )</td>
<td>-</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
Central nervous system, Eyes, Kidney, Liver, Peripheral Nervous System (PNS), Respiratory system, Skin.
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>Acetone 67-64-1</td>
<td>-</td>
<td>LC50 96 h = 4.74 - 6.33 mL/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h = 10294 - 17704 mg/L (Daphnia magna Static)</td>
</tr>
<tr>
<td>Toluene 108-88-3</td>
<td>EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)</td>
<td>LC50 96 h = 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)</td>
<td>EC50 48 h = 5.46 - 9.83 mg/L (Daphnia magna Static) EC50 48 h = 11.5 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Cyclohexane 110-82-7</td>
<td>EC50 72 h &gt; 9.3 mg/L (Pseudokirchneriella 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 - 44.89 mg/L (Lepomis macrochirus static)</td>
<td>EC50 24 h &gt; 400 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Methylcyclohexane 108-87-2</td>
<td>10 mg/L (Pseudokirchneriella subcapitata - OECD 201)</td>
<td>2.07 mg/l (Oryzias latipes)</td>
<td>3 mg/L (Daphnia magna - OECD 202)</td>
</tr>
<tr>
<td>Hexane 110-54-3</td>
<td>-</td>
<td>LC50 96 h = 2.1 - 2.98 mg/L (Pimephales promelas flow-through)</td>
<td>EC50 24 h &gt; 1000 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>LC 50 (72Hr) 0.136 mg/L</td>
<td>LC50 (96h) = 0.7 mg/L Fish (Danio rerio)</td>
<td>LC 50 (48Hr) = 0.5 mg/l (Ceriodaphnia dubia)</td>
</tr>
<tr>
<td>Tall oil resin 8052-10-6</td>
<td>EC50 72 h = 185 - 217 mg/L (Pseudokirchneriella subcapitata)</td>
<td>LC50 96 h = 100 - 200 mg/L (Brachydanio rerio static)</td>
<td>EC50 48 h = 238 - 479 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.
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, (-22°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
27-May-2018
Training Advice
Provide adequate information, instruction, and training for operator

Disclaimer
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End of Safety Data Sheet