



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Hazardous Substances (Safety Data Sheets) Notice 2017 EPA Consolidation 30  
September 2022

GLUE GURU 1500  
Revision Number 2

Revision date 04-May-2025  
Supersedes date 17-Sep-2024

## Section 1: Identification

### Product identifier

Product Name GLUE GURU 1500

### Other means of identification

### Recommended use of the chemical and restrictions on use

Recommended use Contact adhesives

Uses advised against Consumer use

### Details of the supplier of the safety data sheet

#### Supplier

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

E-mail address SDS.AP@Bostik.com

### Emergency telephone number

Emergency Telephone 24 Hr: 0800 243 622  
International +64 4 917 9888  
Poison Centre : 0800 764 766

## Section 2: Hazard identification

### GHS Classification

|                                                    |            |
|----------------------------------------------------|------------|
| Flammable liquids                                  | Category 2 |
| Aspiration hazard                                  | Category 1 |
| Skin corrosion/irritation                          | Category 2 |
| Serious eye damage/eye irritation                  | Category 2 |
| Skin sensitization                                 | Category 1 |
| Reproductive toxicity                              | Category 2 |
| Specific target organ toxicity (single exposure)   | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Hazardous to the aquatic environment - acute       | Category 1 |
| Hazardous to the aquatic environment - chronic     | Category 1 |

### Label elements



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**Signal word**  
Danger

## **Hazard statements**

H225 - Highly flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
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  
H410 - Very toxic to aquatic life with long lasting effects

## **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wash face, hands and any exposed skin thoroughly after handling  
Contaminated work clothing should not be allowed out of the workplace  
Use only outdoors or in a well-ventilated area  
Do not breathe dust  
Avoid release to the environment  
Ground and bond container and receiving equipment  
Use non-sparking tools  
Take action to prevent static discharges  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Keep cool  
Wear protective gloves  
Use explosion-proof electrical/ ventilating/ lighting/ equipment

## **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

### **Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

### **Skin**

If skin irritation or rash occurs: Get medical advice/attention

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

Wash contaminated clothing before reuse

### **Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing

### **Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor

Do NOT induce vomiting

### **Fire**

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

### **Spill**

Collect spillage

## **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

## **Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

## **Other hazards which do not result in classification**

May be harmful if inhaled. In use, may form flammable/explosive vapor-air mixture.

## **Section 3: Composition/information on ingredients**

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| Chemical name      | CAS No.   | Weight-% |
|--------------------|-----------|----------|
| Heptane            | 142-82-5  | 20- <40  |
| Acetone            | 67-64-1   | 20- <40  |
| Cyclohexane        | 110-82-7  | 10 - <20 |
| Toluene            | 108-88-3  | 10 - <20 |
| Methylcyclopentane | 96-37-7   | 1 - <5   |
| Octane             | 111-65-9  | 1 - <3   |
| Zinc oxide         | 1314-13-2 | 0.1- <1  |
| Tall oil rosin     | 8052-10-6 | 0.1- <1  |
| 4-tert-Butylphenol | 98-54-4   | 0.1- <1  |

|                           |             |         |
|---------------------------|-------------|---------|
| Non-hazardous ingredients | Proprietary | Balance |
|---------------------------|-------------|---------|

## Section 4: First-aid measures

### Description of first aid measures

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.                                                                                                                                                                                                                                                                                                |
| <b>Inhalation</b>                         | Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.                                     |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                                                                                              |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.                                                                                                                                                                                 |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.                                                                                                                    |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing. |

### Most important symptoms and effects, both acute and delayed

|                            |                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b>            | Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
| <b>Effects of Exposure</b> | May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility. May cause damage to organs through prolonged or repeated exposure.                                                                                                           |

### Indication of any immediate medical attention and special treatment needed

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>Note to physicians</b> | May cause sensitization in susceptible persons. Treat symptomatically. Because of the |
|---------------------------|---------------------------------------------------------------------------------------|

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danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

## Section 5: Fire-fighting measures

### Suitable Extinguishing Media

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

**Hazardous combustion products** Carbon oxides. Hydrocarbons. Hydrogen chloride.

### Special protective actions for fire-fighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### Precautions to prevent secondary hazards

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**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: Handling and storage

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials. Protect from moisture.

**Recommended storage temperature** Keep at temperatures between 41 and 77 °F / 5 and 25 °C.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## Section 8: Exposure controls/personal protection

### Working area parameters, subject to mandatory control (MAC or TSEL)

**Exposure Limits** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

| Chemical name           | New Zealand                                                                                         | ACGIH TLV                     | United Kingdom                                                                                      | Australia                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Heptane<br>142-82-5     | TWA: 400 ppm;<br>TWA: 1640 mg/m <sup>3</sup> ;<br>STEL: 500 ppm;<br>STEL: 2050 mg/m <sup>3</sup> ;  | TWA: 400 ppm<br>STEL: 500 ppm | TWA: 500 ppm;<br>TWA: 2085 mg/m <sup>3</sup> ;<br>STEL: 1500 ppm;<br>STEL: 6255 mg/m <sup>3</sup> ; | TWA: 400 ppm;<br>TWA: 1640 mg/m <sup>3</sup> ;<br>STEL: 500 ppm;<br>STEL: 2050 mg/m <sup>3</sup> ;  |
| Acetone<br>67-64-1      | TWA: 500 ppm;<br>TWA: 1185 mg/m <sup>3</sup> ;<br>STEL: 1000 ppm;<br>STEL: 2375 mg/m <sup>3</sup> ; | TWA: 250 ppm<br>STEL: 500 ppm | TWA: 500 ppm;<br>TWA: 1210 mg/m <sup>3</sup> ;<br>STEL: 1500 ppm;<br>STEL: 3620 mg/m <sup>3</sup> ; | TWA: 500 ppm;<br>TWA: 1185 mg/m <sup>3</sup> ;<br>STEL: 1000 ppm;<br>STEL: 2375 mg/m <sup>3</sup> ; |
| Cyclohexane<br>110-82-7 | TWA: 100 ppm;<br>TWA: 350 mg/m <sup>3</sup> ;                                                       | TWA: 100 ppm                  | TWA: 100 ppm;<br>TWA: 350 mg/m <sup>3</sup> ;                                                       | TWA: 100 ppm;<br>TWA: 350 mg/m <sup>3</sup> ;                                                       |

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|                         |                                                                                                                                                                                                        |                                                                                                                                |                                                                                                        |                                                                                                                       |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                         | STEL: 300 ppm;<br>STEL: 1050 mg/m <sup>3</sup> ;                                                                                                                                                       |                                                                                                                                | STEL: 300 ppm;<br>STEL: 1050 mg/m <sup>3</sup> ;                                                       | STEL: 300 ppm;<br>STEL: 1050 mg/m <sup>3</sup> ;                                                                      |
| Toluene<br>108-88-3     | TWA: 20 ppm;<br>TWA: 75 mg/m <sup>3</sup> ;<br>STEL: 100 ppm;<br>STEL: 377 mg/m <sup>3</sup> ;<br>dSk                                                                                                  | TWA: 20 ppm<br>pOt                                                                                                             | TWA: 50 ppm;<br>TWA: 191 mg/m <sup>3</sup> ;<br>STEL: 100 ppm;<br>STEL: 384 mg/m <sup>3</sup> ;<br>pSk | TWA: 50 ppm;<br>TWA: 191 mg/m <sup>3</sup> ;<br>STEL: 150 ppm;<br>STEL: 574 mg/m <sup>3</sup> ;                       |
| Octane<br>111-65-9      | TWA: 300 ppm;<br>TWA: 1400 mg/m <sup>3</sup> ;<br>STEL: 375 ppm;<br>STEL: 1750 mg/m <sup>3</sup> ;                                                                                                     | TWA: 300 ppm                                                                                                                   | -                                                                                                      | TWA: 300 ppm;<br>TWA: 1400 mg/m <sup>3</sup> ;<br>STEL: 375 ppm;<br>STEL: 1750 mg/m <sup>3</sup> ;                    |
| Zinc oxide<br>1314-13-2 | TWA: 0.1 mg/m <sup>3</sup> ;<br>respirable dust<br>TWA: 2 mg/m <sup>3</sup> ;<br>respirable dust<br>STEL: 0.5 mg/m <sup>3</sup> ;<br>respirable dust<br>STEL: 5 mg/m <sup>3</sup> ;<br>respirable dust | TWA: 2 mg/m <sup>3</sup><br>respirable particulate<br>matter<br>STEL: 10 mg/m <sup>3</sup><br>respirable particulate<br>matter | -                                                                                                      | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable dust<br>TWA: 5 mg/m <sup>3</sup> ; fume<br>STEL: 10 mg/m <sup>3</sup> ; fume |

## Biological occupational exposure limits

| Chemical name           | New Zealand                                                                                                                               | ACGIH                                                                                                                                                                                |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acetone<br>67-64-1      | 50 mg/L - urine (Acetone) - end of shift                                                                                                  | 25 mg/L - urine (Acetone) - end of shift                                                                                                                                             |
| Cyclohexane<br>110-82-7 | -                                                                                                                                         | 50 mg/g creatinine - urine (1,2-Cyclohexanediol) - end of shift at end of workweek                                                                                                   |
| Toluene<br>108-88-3     | 0.03 mg/L - urine (Toluene) - end of exposure or end of shift<br>0.3 mg/g creatinine - urine (O-Cresol) - end of exposure or end of shift | 0.02 mg/L - blood (Toluene) - prior to last shift of workweek<br>0.03 mg/L - urine (Toluene) - end of shift<br>0.3 mg/g creatinine - urine (o-Cresol with hydrolysis) - end of shift |

## Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eyeface protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Solution Paste Liquid

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Color Light yellow or brown  
Odor Aromatic. Solvent.  
Odor threshold No information available

| <u>Property</u>                         | <u>Values</u>             | <u>Remarks • Method</u>           |
|-----------------------------------------|---------------------------|-----------------------------------|
| pH                                      | No data available         | Not applicable Insoluble in water |
| Melting point / freezing point          | No data available         | None known                        |
| Initial boiling point and boiling range | 50 °C                     |                                   |
| Flash point                             | -22 °C                    |                                   |
| Evaporation rate                        | No data available         | None known                        |
| Flammability                            | No data available         | Flammable liquid                  |
| Flammability Limit in Air               |                           | None known                        |
| Upper flammability or explosive limits  | 9.7                       |                                   |
| Lower flammability or explosive limits  | 1.5                       |                                   |
| Vapor pressure                          | <110 kPa                  | None known                        |
| Relative vapor density                  | No data available         | None known                        |
| Relative density                        | No data available         | None known                        |
| Water solubility                        | Insoluble in water        |                                   |
| Solubility(ies)                         | No data available         | None known                        |
| Partition coefficient                   | No data available         | None known                        |
| Autoignition temperature                | No data available         | None known                        |
| Decomposition temperature               |                           | None known                        |
| Kinematic viscosity                     | No data available         | None known                        |
| Dynamic viscosity                       | No data available         |                                   |
| Explosive properties                    | No information available. |                                   |
| Oxidizing properties                    | No information available. |                                   |
| <u>Other information</u>                |                           |                                   |
| Softening point                         | No information available  |                                   |
| Molecular weight                        | No information available  |                                   |
| VOC content                             | No information available  |                                   |
| Liquid Density                          | 0.8 g/cm <sup>3</sup>     |                                   |
| Bulk density                            | No information available  |                                   |
| Particle characteristics                |                           |                                   |

## Section 10: Stability and reactivity

### Reactivity

Reactivity No information available.

### Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### Conditions to avoid

Conditions to avoid Heat, flames and sparks. Protect from moisture.

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## Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

## Section 11: Toxicological information

### Acute toxicity

### Information on likely routes of exposure

#### Product Information

|                     |                                                                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness. May be harmful if inhaled.                                        |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. May cause irritation. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.                                                                                                                                              |
| <b>Skin contact</b> | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.                        |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

**Symptoms** Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### Acute toxicity

#### Numerical measures of toxicity

#### The following ATE values have been calculated for the mixture

|                               |              |
|-------------------------------|--------------|
| ATEmix (oral)                 | >5000 mg/kg  |
| ATEmix (dermal)               | >5000 mg/kg  |
| ATEmix (inhalation-gas)       | >20000 ppm   |
| ATEmix (inhalation-vapor)     | >20 mg/l     |
| ATEmix (inhalation-dust/mist) | 108.994 mg/l |

#### Component Information

| Chemical name | Oral LD50                                  | Dermal LD50                          | Inhalation LC50                    |
|---------------|--------------------------------------------|--------------------------------------|------------------------------------|
| Heptane       | LD50 > 5000 mg/Kg (rattus)                 | = 3000 mg/kg (Oryctolagus cuniculus) | =103 g/m <sup>3</sup> (Rattus) 4 h |
| Acetone       | =5800 mg/kg (Rattus)<br>3000 mg/Kg (mouse) | >15800 mg/Kg (Rattus)                | =79 mg/l(Rattus) 4 h               |
| Cyclohexane   | =12705 mg/kg (Rattus)                      | > 2000 mg/kg (Oryctolagus            | >9500 ppm (Rattus) 4 h             |

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|                    |                      |                                                         |                                                                                             |
|--------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                    |                      | cuniculus)                                              |                                                                                             |
| Toluene            | =5580 mg/kg (Rattus) | = 12000 mg/kg (Oryctolagus cuniculus)                   | >20 mg/L (Rattus) 4 h                                                                       |
| Octane             | >5000 mg/Kg (Rattus) | -                                                       | =118 g/m <sup>3</sup> (Rattus) 4 h =<br>25260 ppm (Rattus) 4 h ><br>23.36 mg/L (Rattus) 4 h |
| Zinc oxide         | >5000 mg/kg (Rattus) | LD50 >2000 mg/Kg (Rattus)<br>(OECD 402)                 | LC50 (4h) >5.7 mg/l                                                                         |
| Tall oil rosin     | =7600 mg/kg (Rattus) | -                                                       | -                                                                                           |
| 4-tert-Butylphenol | =4000 mg/kg (Rattus) | LD50 >5000 mg/kg<br>(Oryctolagus cuniculus)<br>OECD 402 | -                                                                                           |

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

Toluene (108-88-3)

| Method                                   | Species | Exposure route | Effective dose | Exposure time | Results  |
|------------------------------------------|---------|----------------|----------------|---------------|----------|
| Regulation (EC) No. 440/2008, Annex, B.4 | Rabbit  | Dermal         |                |               | Irritant |

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

Component Information

Acetone (67-64-1)

| Method                                            | Species | Exposure route | Effective dose | Exposure time | Results  |
|---------------------------------------------------|---------|----------------|----------------|---------------|----------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | irritant |

**Respiratory or skin sensitization** May cause an allergic skin reaction.

Acetone (67-64-1)

| Method                              | Species    | Exposure route | Results               |
|-------------------------------------|------------|----------------|-----------------------|
| GPMT - Guinea pig maximisation test | Guinea pig | Dermal         | Not a skin sensitizer |

Toluene (108-88-3)

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Heptane (142-82-5)

| Method                                                           | Species       | Results                    |
|------------------------------------------------------------------|---------------|----------------------------|
| OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test | Rat, in vitro | Not mutagenic              |
| OECD Test No. 471: Bacterial Reverse Mutation Test               |               | Not mutagenic in AMES Test |

Toluene (108-88-3)

| Method                                                                                       | Species                | Results       |
|----------------------------------------------------------------------------------------------|------------------------|---------------|
| Regulation (EC) No. 440/2008, Annex, B.13/14 (Ames test)                                     | Salmonella typhimurium | Not mutagenic |
| OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the HpRT and xprt genes | Mouse                  | Not mutagenic |

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## Carcinogenicity

This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name      | New Zealand | IARC    |
|--------------------|-------------|---------|
| Toluene - 108-88-3 | -           | Group 3 |

## Legend

**IARC (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

## Reproductive toxicity

Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.

Toluene (108-88-3)

| Method   | Species | Results               |
|----------|---------|-----------------------|
| OECD 407 | in vivo | Reproductive toxicant |

## STOT - single exposure

May cause drowsiness or dizziness.

Acetone (67-64-1)

| Method                       | Species | Exposure route | Effective dose | Exposure time | Results          |
|------------------------------|---------|----------------|----------------|---------------|------------------|
| Experiences made in practice |         |                |                |               | Narcotic effects |

## Narcotic effects

Narcotic effects.

## STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Acetone (67-64-1)

| Method                                                                 | Species | Exposure route | Effective dose        | Exposure time   | Results                                                  |
|------------------------------------------------------------------------|---------|----------------|-----------------------|-----------------|----------------------------------------------------------|
| OECD Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents | Rat     | Oral           | 200-3400 mg/kg bw/day | 91 days         | No Observed Adverse Effect Level LOAEL 1700 mg/kg bw/day |
| Not specified                                                          | Rat     | Inhalation     | 19000 ppm             | 14, 28, 56 days | NOAEC 19000 ppm<br>No Observed Adverse Effect Level      |

Toluene (108-88-3)

| Method                                                               | Species           | Exposure route    | Effective dose | Exposure time | Results           |
|----------------------------------------------------------------------|-------------------|-------------------|----------------|---------------|-------------------|
| Regulation (EC) No. 440/2008, Annex, B.26                            | Rat, male, female | Oral              |                | 91 days       | NOAEL: 625 mg/kg  |
| OECD Test No. 453: Combined Chronic Toxicity/Carcinogenicity Studies | Rat, male, female | Inhalation, vapor |                |               | NOAEL: 1.131 mg/l |

## Aspiration hazard

May be fatal if swallowed and enters airways.

## Section 12: Ecological information

### Ecotoxicity

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**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

## Aquatic ecotoxicity

| Chemical name      | Algae/aquatic plants                                       | Fish                                                                                                                                                                                                      | Crustacea                                                                       |
|--------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Heptane            | -                                                          | LC50: =375.0mg/L (96h, Cichlid )                                                                                                                                                                          | EC50: >10mg/L (24h, Daphnia magna)                                              |
| Acetone            | -                                                          | LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss )                                                                                                                                                         | EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)                             |
| Cyclohexane        | EC50 72 h > 9.3 mg/L (Pseudokirchnerella subcapitata)      | LC50: 23.03 - 42.07mg/L (96h, Pimephales promelas) LC50: 48.87 - 68.76mg/L (96h, Poecilia reticulata) LC50: 3.96 - 5.18mg/L (96h, Pimephales promelas) LC50: 24.99 - 44.69mg/L (96h, Lepomis macrochirus) | EC50: >0.9 mg/L (24h, Daphnia magna)                                            |
| Toluene            | EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)    | LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)                                                                                      | EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) |
| Octane             | -                                                          | -                                                                                                                                                                                                         | EC50: =0.38mg/L (48h, Daphnia magna)                                            |
| Zinc oxide         | LC 50 (72Hr) 0.136 mg/L                                    | LC50 (96h) =0.7 mg/L (Danio rerio)                                                                                                                                                                        | LC 50 (48Hr) =0.5 mg/l (Ceriodaphnia dubia)                                     |
| Tall oil rosin     | EC50: 185 - 217mg/L (72h, Pseudokirchneriella subcapitata) | LC50: 100 - 200mg/L (96h, Brachydanio rerio)                                                                                                                                                              | EC50: 238 - 479mg/L (48h, Daphnia magna)                                        |
| 4-tert-Butylphenol | EC50: =11.2mg/L (72h, Desmodesmus subspicatus)             | LC50: =6.9mg/L (96h, Cyprinus carpio) LC50: 4.71 - 5.62mg/L (96h, Pimephales promelas)                                                                                                                    | EC50: 3.4 - 4.5mg/L (48h, Daphnia magna) EC50: =3.9mg/L (48h, Daphnia magna)    |

## Terrestrial ecotoxicity

| Chemical name | Earthworm                                                                               | Avian                                                                                                                                       | Honeybees |
|---------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Acetone       | Acute Toxicity: LC50 200 - 1000 µg/cm <sup>2</sup> (Eisenia foetida, 48 h filter paper) | Dietary Toxicity: LC50 > 40000 ppm (Phasianus colchicus, 5 Days)<br>Dietary Toxicity: LC50 > 40000 ppm (Coturnix coturnix japonica, 5 Days) | -         |

**Persistence and degradability** No information available.

## Bioaccumulative potential

### Bioaccumulation

#### Component Information

| Chemical name      | Partition coefficient |
|--------------------|-----------------------|
| Heptane            | 4.66                  |
| Acetone            | -0.24                 |
| Cyclohexane        | 3.44                  |
| Toluene            | 2.73                  |
| Octane             | 5.18                  |
| Tall oil rosin     | 3.6                   |
| 4-tert-Butylphenol | 3                     |

## Mobility in soil

**Mobility** No information available.

## Other adverse effects

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## Disposal methods

### **Waste from residues/unused products**

Dispose of product in packaging in a way that is consistent with the EPA Consolidation 30 April 2021 of the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste. Flammable substances - may not be disposed of into or onto a landfill or sewage facility.

They may only be burnt in certain situations.

Flammable gases, liquids and solids may only be discharged into the environment or landfill as waste if the substance will not at any time come into contact with any explosives, oxidising gases, liquids or solids or organic peroxides; and there will be no ignition source in the vicinity of the disposal site at any time and if the substance were to ignite, no person, or place where a person may legally be, would be exposed to an unsafe level of heat radiation. Substances which are hazardous to human health or corrosive to metals – may be discharged into the environment if a tolerable exposure limit has been set for the substance (or a component of that substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the tolerable exposure limit. If there is no tolerable exposure limit for the substance, then it may only be discharged into the environment if the substance is very rapidly converted to substances that are not hazardous substances. Environmentally hazardous substances – if the substance, or if it contains a component that is hazardous to the aquatic environment or bioaccumulative and not rapidly degradable, then any component that is bioaccumulative and not rapidly degradable must be removed. The product may only be discharged into the environment if an environmental exposure limit has been set for the substance (or a component of the substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the environmental exposure limit.

### **Contaminated packaging**

For packages that have been in direct contact with hazardous substances, the person must ensure that the package is rendered incapable of containing any substance. It must be disposed of in a manner that is consistent with the requirements for disposal of the substance that it contained, taking into account the material the package is manufactured from. Packages may only be reused or recycled if:

- the substance has a physical hazard other than corrosive to metal, and has been treated to remove any residual contents of the hazardous substance;
- or for substances that have a health or environmental hazard, or corrosive to metal, the contents of the residue in the package are below the threshold for the substance to be classified as hazardous in the Hazardous Substances (Hazard Classification) Notice 2020.

## **Section 14: Transport information**

### IATA

|                            |                          |
|----------------------------|--------------------------|
| UN number or ID number     | UN1133                   |
| UN proper shipping name    | Adhesives                |
| Transport hazard class(es) | 3                        |
| Packing group              | II                       |
| Special Provisions         | A3                       |
| Description                | UN1133, Adhesives, 3, II |

### IMDG

|                            |           |
|----------------------------|-----------|
| UN number or ID number     | UN1133    |
| UN proper shipping name    | Adhesives |
| Transport hazard class(es) | 3         |
| Packing group              | II        |
| EmS-No.                    | F-E, S-D  |

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Marine pollutant P  
Description UN1133, Adhesives, 3, II, (-22°C c.c.), Marine pollutant

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
No information available

## ADR

UN number or ID number UN1133  
UN proper shipping name Adhesives  
Transport hazard class(es) 3  
Labels 3  
Packing group II  
Description UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous  
Environmental hazards Yes  
Limited quantity (LQ) 5 L  
Special Provisions 640D  
Classification code F1  
Tunnel restriction code (D/E)

## Section 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

EPA New Zealand HSNO approval code or group standard HSR002662 - Surface Coatings and Colourants (Flammable)

National regulations Any applicable tolerable exposure limits and environmental exposure limits according to the EPA Controls for Hazardous Substances are listed below

| Chemical name           | Tolerable Exposure Limit (TEL) Air | Tolerable Exposure Limit (TEL) Water | Tolerable Exposure Limit (TEL) Surface | Environmental Exposure Limits (EEL)     |
|-------------------------|------------------------------------|--------------------------------------|----------------------------------------|-----------------------------------------|
| Toluene<br>108-88-3     | 400 µg/m <sup>3</sup>              | 0.8 mg/L                             | -                                      | 330 µg/L (Water)                        |
| Zinc oxide<br>1314-13-2 | 0.87 mg/m <sup>3</sup>             | 0.6 mg/L                             | -                                      | 8 µg/L (Freshwater)<br>15 µg/L (Marine) |

#### Certified handlers, tracking and controlled substance license requirements

Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information  
Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information  
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

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## Europe

### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

#### SVHC: Substances of Very High Concern for Authorization:

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)  $\geq 0.1\%$

| Chemical name                 | SVHC candidates |
|-------------------------------|-----------------|
| 4-tert-Butylphenol<br>98-54-4 | X               |

## Section 16: Other information

Prepared By Product Stewardship and Regulatory Affairs  
Revision date 04-May-2025  
Revision Note

\*\*\*Indicates updated data since last publication.

#### Key or legend to abbreviations and acronyms used in the safety data sheet

##### Legend

SVHC: Substances of Very High Concern for Authorization:  
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances  
STOT: Specific Target Organ Toxicity  
ATE: Acute Toxicity Estimate  
LC50: 50% Lethal Concentration  
LD50: 50% Lethal Dose

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | Sk*  | Skin designation                 |
| **      | Hazard Designation          | +    | Sensitizers                      |
| C       | Carcinogen                  |      |                                  |

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at

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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**