



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

**BOSTIK UNIGRIP 999 HR**  
Revision Number 2.03

**Revision date** 12-Jan-2022  
**Supersedes Date:** 16-Jun-2021

## Section 1: Identification

### Product identifier

**Product Name** BOSTIK UNIGRIP 999 HR

### 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  
+64 4 917 9888  
Poison Centre : 0800 764 766

## Section 2: Hazard identification

### GHS Classification

Flammable liquids	Category 2 (HSNO - 3.1B)
Aspiration hazard	Category 1 (HSNO - 6.1E)
Skin corrosion/irritation	Category 2 (HSNO - 6.3A)
Serious eye damage/eye irritation	Category 2 (HSNO - 6.4A)
Reproductive toxicity	Category 2 (HSNO - 6.8B)
Specific target organ toxicity (single exposure)	Category 3 (HSNO - 6.9B)
Specific target organ toxicity (repeated exposure)	Category 2 (HSNO - 6.9B)

### Label elements



**Signal word**  
Danger

**Hazard statements**

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H225 - Highly flammable liquid and vapor  
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

## **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
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  
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 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

## **Precautionary Statements - Storage**

Store locked up

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

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

In use, may form flammable/explosive vapor-air mixture.

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

Chemical name	CAS No	Weight-%
Acetone	67-64-1	20- <40
Methyl ethyl ketone	78-93-3	20- <40
Toluene	108-88-3	10 - <20

Non-hazardous ingredients	Proprietary	Balance
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## **Section 4: First-aid measures**

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## 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. Get immediate medical advice/attention. 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. Get medical attention if irritation develops and persists.
<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 advice/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>	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.
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## Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.
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## **Section 5: Fire-fighting measures**

<b>Hazchem code</b>	•3YE
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### Suitable Extinguishing Media

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
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<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
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<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
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### Specific hazards arising from the chemical

<b>Specific hazards arising from the chemical</b>	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.
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<b>Hazardous combustion products</b>	Carbon oxides. Carbon dioxide (CO <sub>2</sub> ).
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### Special protective actions for fire-fighters

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**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

**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. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

**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

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## 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

### Control parameters

### Exposure Limits

Chemical name	New Zealand	ACGIH TLV	United Kingdom	Australia
Acetone 67-64-1	TWA: 500 ppm TWA: 1185 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2375 mg/m <sup>3</sup>	STEL: 500 ppm TWA: 250 ppm	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 1500 ppm STEL: 3620 mg/m <sup>3</sup>	500 ppm TWA 1185 mg/m <sup>3</sup> TWA 1000 ppm STEL 2375 mg/m <sup>3</sup> STEL
Methyl ethyl ketone 78-93-3	TWA: 150 ppm TWA: 445 mg/m <sup>3</sup> STEL: 300 ppm STEL: 890 mg/m <sup>3</sup>	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 899 mg/m <sup>3</sup> Sk*	150 ppm TWA 445 mg/m <sup>3</sup> TWA 300 ppm STEL 890 mg/m <sup>3</sup> STEL
Toluene 108-88-3	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> Skin	Ototoxicant - potential to cause hearing disorders TWA: 20 ppm	TWA: 50 ppm TWA: 191 mg/m <sup>3</sup> STEL: 100 ppm STEL: 384 mg/m <sup>3</sup> Sk*	50 ppm TWA 191 mg/m <sup>3</sup> TWA 150 ppm STEL 574 mg/m <sup>3</sup> STEL

### Biological occupational exposure limits

Chemical name	New Zealand	ACGIH
Acetone 67-64-1	50 mg/L - urine (Acetone) - end of shift	25 mg/L - urine (Acetone) - end of shift
Methyl ethyl ketone 78-93-3	2 mg/L - urine (MEK) - end of shift	2 mg/L - urine (MEK) - end of shift
Toluene 108-88-3	0.03 mg/L - urine (Toluene) - end of exposure or end of shift 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 0.03 mg/L - urine (Toluene) - end of shift 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

#### Eye/face 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.

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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	Paste Liquid
Color	Clear to slightly cloudy
Odor	Solvent.
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	Not applicable Insoluble in water
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	56 °C	
Flash point	-17 °C	
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	12.2	
Lower flammability or explosive limits	2.0	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available partially soluble	
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	None known
Explosive properties	No information available.	
Oxidizing properties	No information available.	

### Other information

Softening Point	No information available
Molecular weight	No information available
VOC Content (%)	82.53452
Density	0.86
Bulk density	No information available
Particle characteristics	

## Section 10: Stability and reactivity

### Reactivity

**Reactivity** No information available.

### Chemical stability

**Stability** Stable under normal conditions.

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## 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.

## 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

**Inhalation** 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.

**Eye contact** 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.

**Skin contact** Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**Ingestion** 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** 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**  
No information available

The following values are calculated based on chapter 3.1 of the GHS document

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	=5800 mg/kg (Rattus) 3000 mg/Kg (mouse)	>15800 mg/Kg (Rattus)	=79 mg/l(Rattus) 4 h
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus)	=11700 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

## **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. Irritating to skin.

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

Component Information  
Methyl ethyl ketone (78-93-3)

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

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

Acetone (67-64-1)  
Methyl ethyl ketone (78-93-3)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	No sensitization responses were observed

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

## **Carcinogenicity**

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. May cause respiratory irritation. Classification based on data available for ingredients.

**Respiratory irritation** No information available.

**Narcotic effects** Narcotic effects.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.



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## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

#### Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Acetone	-	LC50 96 h 4.74 - 6.33 mg/L (Oncorhynchus mykiss)	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)
Methyl ethyl ketone	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	EC50 48 h > 308 mg/L (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)

#### 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) Dietary Toxicity: LC50 > 40000 ppm (Coturnix coturnix japonica, 5 Days)	-

**Persistence and degradability** No information available.

Acetone (67-64-1)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO <sub>2</sub> Evolution Test (TG 301 B)	28 days	biodegradation	91 % Readily biodegradable

Methyl ethyl ketone (78-93-3)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	28 days	biodegradation	98 % Readily biodegradable

### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical name	Partition coefficient
Acetone	-0.24
Methyl ethyl ketone	0.3
Toluene	2.7

### Mobility in soil

### Other adverse effects

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No information available.

## Section 13: Disposal considerations

### 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.

#### 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

Hazchem code	•3YE
<u>IATA</u>	
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

<u>IMDG</u>	
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
Marine pollutant	NP
Description	UN1133, Adhesives, 3, II, (-17°C c.c.)

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

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## ADR

UN number or ID number UN1133  
Proper Shipping Name Adhesives  
Transport hazard class(es) 3  
Labels 3  
Packing group II  
Description UN1133, Adhesives, 3, II, (D/E)  
Limited quantity (LQ) 5 L  
Special Provisions 640C  
Classification code F1  
Tunnel restriction code (D/E)

## Section 15: Regulatory information

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

#### New Zealand

#### ERMA Group

HSR002662

Chemical name	New Zealand HSNO Chemical Classification
Acetone - 67-64-1	- 3.1B,6.1E (All),6.1E (O),6.3B,6.4A (HSR001070) >60% in a non hazardous diluent - 3.1B,6.1E (All),6.1E (O),6.3B,6.4A (HSR006434) >10-60% in a non hazardous diluent - 3.1B,6.3B,6.4A (HSR006435)
Methyl ethyl ketone - 78-93-3	- 3.1B,6.1E (All),6.1E (O),6.3B,6.4A,6.9B (All),6.9B (I) (HSR001190) >50% in a non hazardous diluent - 3.1B,6.1E (All),6.1E (O),6.3B,6.4A,6.9B (All),6.9B (I) (HSR007378)
Toluene - 108-88-3	- 3.1B,6.1D (All),6.1D (O),6.1D (I),6.3A,6.4A,6.8B,6.9B (All),6.9B (I),9.1D (All),9.1D (F),9.1D (C),9.1D (A),9.3C (HSR001227)

#### 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 108-88-3	400 µg/m <sup>3</sup>	0.8 mg/L	-	330 µg/L (Water)

#### 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

#### EPA New Zealand HSNO approval

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code or group standard

## 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

## **Section 16: Other information**

**Revision date** 12-Jan-2022

### **Revision Note**

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

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

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

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

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

EPA (Environmental Protection Agency)

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

World Health Organization

### **Disclaimer**

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**End of Safety Data Sheet**