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| H319 Causes serious eye irritation. | P233 Keep container tightly closed.                                      |
|                                     | P240 Ground container and receiving equipment                            |
|                                     | P241 Use explosion-proof electrical, ventilating and lighting equipment. |
|                                     | P242 Use only non-sparking tools.  |
|                                     | P243 Take precautionary measures against static discharge.               |
|                                     | P264 Wash hands thoroughly after handling.                               |
|                                     | P280 Wear protective gloves and protective eye/face protection.          |

#### Response Statements

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| P101           | If medical advice is needed, have product container or label at hand.  |
| P312           | Call a POISON CENTRE or doctor if you feel unwell.   |
| P303+P361+P353 | If on skin (or hair): Remove immediately all contaminated clothing. Rinse skin with water.   |
| P332+P313      | If skin irritation occurs, get medical advice.   |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and safe to do so. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice.  |
| P370+P378      | In case of fire: Use water fog or mist or alcohol-resistant foam.  |

#### Storage Statement

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| P403+P235 | Store in a well ventilated place. Keep cool. |
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#### Disposal Statement

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| P501 | Dispose of product to a solvent recycling facility or approved landfill in accordance with any local regulations. |
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### Section 3: Composition/Information on Ingredients

| Common Name | CAS No: | % w/w |
|-------------|---------|-------|
| Acetone     | 67-64-1 | 100   |

### Section 4: First Aid Measures

Consult the National Poisons Centre (Phone New Zealand 0800 764 766 (0800 POISON) or a doctor in every case of suspected poisoning. If medical advice is needed, have product container or label at hand.

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| <b>Ingestion:</b>  | Rinse mouth with water. Do not induce vomiting. Call a Poison Centre or doctor for advice if person feels unwell. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. |
| <b>Inhalation:</b> | Move person to fresh air and warm and at rest until recovered. Call a Poison Centre or doctor for advice or take to local medical facility if person feels unwell.                              |
| <b>Skin:</b>       | Remove immediately all contaminated clothing. Wash affected area with plenty  |

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|                              | of water followed by soap and water. Get medical advice if irritation occurs.  |
| <b>Eyes:</b>                 | Hold eyes open and rinse cautiously with water for several minutes. Remove contact lenses if present and safe to do after the first 5 minutes. Continue rinsing for at least 15 minutes. Get medical attention if irritation persists. |
| <b>First Aid facilities:</b> | Provide eye baths and safety showers close to areas where splashing may occur.   |
| <b>Medical Attention:</b>    | Treat symptomatically. Potential for chemical pneumonitis. Consider gastric lavage with protected airway and administration of activated charcoal.   |

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| Section 5: | Fire Fighting Measures |
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| <b>Extinguishing Media:</b>         | Use water fog or mist or alcohol-resistant foam. Use dry chemical powder, carbon dioxide, sand or earth for small fires only. DO NOT use water in a jet.         |
| <b>Fire &amp; Explosion Hazard:</b> | In case of fire, avoid breathing smoke. Carbon monoxide evolved if incomplete combustion. Prevent extinguishing water from getting into the aquatic environment. |
| <b>Specific Hazards:</b>            | Vapour is heavier than air, will spread across the ground and distant ignition is possible. Cool fire exposed containers by spraying with water.                 |
| <b>Fire-Fighter Equipment:</b>      | Wear self-contained breathing apparatus and personal protective clothing.  |

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| Section 6: | Accidental Release Measures |
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**Spills:**

Wear personal protective equipment. Avoid contact with skin and eyes. Highly flammable liquid. Shut off leak if safe to do so. Remove or isolate ignition sources. Take precautions against static discharge. Bond or ground (earth) all equipment. Use non-sparking tools. Ventilate contaminated area. Isolate hazard area and keep unnecessary and unprotected people away from area. Stay upwind and keep out of low-lying areas.

**Contain spill.** Avoid run off into drains or sewers. Do not contaminate watercourses or the ground.

**For large spills (more than a drum),** recover liquid and transfer by mechanical means to labeled salvage tank that can be sealed for the recovery or disposal of product. Do not flush away residues with water. Allow residues to evaporate. Remove any contaminated soil and dispose of safely by waste management company.

**For small spills,** absorb with an appropriate material e.g. vermiculite, and dispose of waste safely in a labeled sealed container for recovery or disposal.

**If contamination of drains, sewers or waterways occurs, immediately notify Emergency Services (111).**

**Disposal:**

Dispose of contaminated waste or product to a solvent recycling facility or to an approval landfill in accordance with local regulations.

**Section 7:****Handling and Storage****Handling:**

Highly flammable liquid. Read label before use. Keep container closed when not in use. Use only in well ventilated areas. No smoking. Avoid breathing vapours or direct contact with this product. Wear personal protective equipment. Wash hands and exposed skin after handling.

Remove ignition sources. Avoid sparks. Electrostatic charge may be generated during pumping with risk of fire. Restrict line viscosity to avoid generation of electrostatic discharge ( $\leq 1\text{m/sec}$  until fill pipe submerged to twice its diameter, then  $\leq 7\text{m/sec}$ ). Take precautions to use bonded or grounded (earthed) equipment. Do not use compressed air for filling, discharging or handling.

**Storage:**

Ensure all storage areas have adequate fire-fighting equipment. Store securely in closed, original container in a cool, dry well ventilated place away from direct sunlight, ignition, sources, heat, incompatible substances, aerosols, other flammables, oxidizing agents and corrosives, out of reach of children and away from food, drink and animal foodstuffs. Vapour higher than air. Take precautions to avoid vapour accumulation in pits and confined spaces.

**Recommended Materials:**

For containers, or container linings, use mild steel or stainless steel. For container paints, use epoxy paint or zinc silicate paint.

**Unsuitable Materials:**

Not specified.

**Section 8:****Exposure Controls/Personal Protection****Health Exposure Standards:**

NZ Workplace Exposure Standards (WES) have been set for this substance.

| <b>Name:</b> | <b>WES-TWA:</b>                   | <b>WES-STEL:</b>                   |
|--------------|-----------------------------------|------------------------------------|
| Acetone      | 500 ppm (1185 kg/m <sup>3</sup> ) | 1000 ppm (2375 mg/m <sup>3</sup> ) |

**Engineering Controls:**

Use only in well ventilated area. A half-face filter mask suitable for organic gases and vapours (boiling point  $< 65^{\circ}\text{C}$ ) is recommended. Where respiratory protective equipment is required, use a full-face mask. Where air-filtering respirators are unsuitable (e.g. air-borne concentrations are high, risk or oxygen deficiency, confined space) use positive pressure breathing apparatus.

**Personal Protective Equipment (PPE):**

Wear personal protective clothing. Safety shoes and boots need to be chemically resistant. Wear appropriate chemical resistant gloves e.g. PVC or Viton may be suitable. Wear chemical goggles if splash or aerosol/mist exposure risk. Refer to the relevant AS/NZ Standards for appropriate personal protective equipment.

Section 9: Physical and Chemical Properties

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| <b>Appearance:</b>                                    | Clear, colourless liquid |
| <b>Odour:</b>   | Characteristic           |
| <b>Odour Threshold:</b>                               | Not available            |
| <b>pH:</b>  | Not applicable           |
| <b>Melting Point/Freezing Point (°C):</b>             | Not available            |
| <b>Boiling Point/Range (°C):</b>                      | 56                       |
| <b>Flash point (°C):</b>                              | -18                      |
| <b>Flammability (solid, gas):</b>                     | Not applicable           |
| <b>Upper/Lower flammability limits in air (%v/v):</b> | 2.1 to 13                |
| <b>Vapour Pressure (kPa @ 20° C):</b>                 | 24.7                     |
| <b>Vapour Density (air=1):</b>                        | 2                        |
| <b>Relative Density @20 °C g/cc)</b>                  | 0.790 – 0.792            |
| <b>Solubility in water:</b>                           | Soluble                  |
| <b>Partition coefficient: n-octanol/water:</b>        | 0.2                      |
| <b>Auto-ignition temperature:</b>                     | 540                      |
| <b>Decomposition temperature (°C)</b>                 | Not available            |
| <b>Dynamic viscosity (mPa.s @ 20°C)</b>               | 0.33                     |
| <b>Volatile organic carbon content:</b>               | Not available            |
| <b>Evaporation rate (nBuAc =1):</b>                   | Not available            |

Section 10: Stability and Reactivity

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| <b>Stability:</b>                            | Stable at normal conditions of storage and use.                       |
| <b>Conditions to avoid:</b>                  | Sources of heat, ignition and open flames and other ignition sources. |
| <b>Incompatibility (Materials to avoid):</b> | Strong oxidizing agents.  |
| <b>Hazardous Decomposition Products:</b>     | Not specified.  |
| <b>Hazardous Polymerization:</b>             | Not known to occur.   |

Section 11: Toxicological Information

**Potential Health Effects:** This section includes possible adverse effects which might occur if this product is not handled in the recommended manner.

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| <b>Acute Toxicity:</b>            | May be harmful if swallowed.  |
| <b>Aspiration Hazard:</b>         | Not classified with aspiration hazard however if product enters lungs, symptoms may include: coughing, choking, wheezing, difficulty breathing, chest congestion, shortness of breath and/or fever. |
| <b>Respiratory Irritation:</b>    | Inhalation of vapours may be irritating to respiratory system.  |
| <b>Skin Corrosion/Irritation:</b> | Mild skin irritant. Prolonged or repeated exposure may cause  |

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|  | defatting of the skin which can lead to dermatitis.   |
| <b>Serious Eye Damage/Corrosion:</b>                           | Irritating to eyes. Symptoms can include a burning sensation, redness, swelling and/or blurred vision.  |
| <b>Respiratory or Skin Sensitization:</b>                      | Not classified.   |
| <b>Germ Cell Mutagenicity:</b>                                 | Not classified.   |
| <b>Carcinogenicity:</b>  | Not classified.   |
| <b>Reproductive Toxicity:</b>                                  | Not classified.   |
| <b>Specific Organ Toxicity (Repeated and Single Exposure):</b> | Breathing in of high concentrations may cause central nervous system depression resulting in dizziness, light headedness, headache, nausea and loss of co-ordination. Continued inhalation may result in unconsciousness and death. |
| <b>Narcotic Effects:</b>                                       | No information available.   |
| <b>Toxicity Data:</b>  | <b>Acetone:</b> Oral (mouse) LD50: 3000 mg/kg b.w   |

**Additional Information:** Exposure may enhance the toxicity of other materials. May potentiate the peripheral neurotoxicity of n-hexane and the liver and kidney toxicity of some chlorinated hydrocarbons such as carbon tetrachloride.

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| Section 12: | Ecological Identification |
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| <b>Eco-toxicity:</b>                     | Product has no eco-toxic classifications.                  |
| <b>Persistence and Biodegradability:</b> | Expected to biodegrade.                                    |
| <b>Potential for Bioaccumulation:</b>    | No bioaccumulation hazard expected.                        |
| <b>Mobility in Soil:</b>                 | Product is miscible in water. May contaminate groundwater. |
| <b>Other Adverse Effects:</b>            | Not available.   |
| <b>Eco-toxicological Data:</b>           | Not available.   |

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| Section 13: | Disposal Considerations |
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**Disposal:**

Recover and recycle product whenever possible. Send clean dry drums to recycling facility or metal scrap re-claimer. Dispose of waste in accordance with Regional Authority or local council bylaws.

**Special Precautions:**

Ensure empty containers are vented and dry. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Do not use empty drums for storing other products.

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| Section 14: | Transport Information |
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This product is classified as Dangerous Goods Class 3, packing group III.

Please consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2007 Transport of Dangerous Goods on Land for Information.

| Road and Rail Transport |         | Marine Transport      |         | Air Transport         |         |
|-------------------------|---------|-----------------------|---------|-----------------------|---------|
| UN Number:              | 1090    | UN Number:            | 1090    | UN Number:            | 1090    |
| Proper Shipping Name:   | Acetone | Proper Shipping Name: | Acetone | Proper Shipping Name: | Acetone |
| DG Class:               | 3       | DG Class:             | 3       | DG Class:             | 3       |
| Sub Risk:               | None    | Sub Risk:             | None    | Sub Risk:             | None    |
| Pack Group:             | II      | Pack Group:           | II      | Pack Group:           | II      |
| Hazchem:                | 2YE     | Hazchem:              | 2YE     |                       |         |



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| Section 15: | Regulatory Information |
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**Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.**

**HSNO Substance Approval Code:** HSR001070; Acetone

Refer to Section 2 for hazardous classifications and to [www.epa.govt.nz](http://www.epa.govt.nz) for Controls and Conditions. For additional compliance information refer to Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

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| Section 16: | Other Information |
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**Issue Date:** March 2019  
**Replaces:** SDS Dated: 8 November 2013  
**Reasons for issue:** Review of SDS

**Abbreviations:**

CAS Number: Chemical Abstract Service registry number, Threshold limit value  
EPA: Environmental Protection Authority  
HSNO: Hazardous Substances & New Organisms  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
WES: Workplace Exposure Standard

**References:**

Chemical Classification and Information Database (CCID); [www.epa.govt.nz](http://www.epa.govt.nz)  
Supplier Safety Data Sheets for components.

**Safety data sheets are updated frequently. Please ensure you have a current copy.**

**Disclaimer:**

*Before using any product, read its label carefully to ensure that you understand its contents. The information contained herein is based on data considered accurate and reliable to the best of our knowledge and belief of the date compiled. However no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use hereof. Solvent Supplies Limited assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such users or vendor assume all risks associated with the use of the material. It is the user's responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use. The users must determine whether the use of the information and data is in accordance with local laws and regulations.*