

**HiChem Paint Technologies Pty.Ltd.**

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**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

<b>Product Name</b>	ACETONE	<b>Code</b>	ACET
<b>Product Use</b>	Use as a solvent for Industrial Enamels and Primers.		
<b>Ingredients</b>	<b>Name</b>	<b>CAS Number</b>	<b>Proportion w/w</b>
	Acetone	67 – 64 – 1	60 – 100 %

**HAZARD IDENTIFICATION**

The product is classified both as Hazardous Substance and Dangerous Goods according to ASCC

**Risk Phrases**

11	Highly Flammable Liquid
20/21/22	Harmful by inhalation, skin contact and if swallowed.
36	Irritating to eyes.
65/66/67	Harmful. May cause lung damage if swallowed. Prolonged or repeated exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

**Safety Phrases**

2	Keep out of reach of children.
7/9	Keep containers tightly closed when not in use and also well – ventilated area.
15/16/33	Keep away from heat, sources of ignition and take precautionary measures against static electricity.
20/21	When using, do not eat, drink or smoke.
23.5	Do not breathe vapours or spray mist.
24/25	Avoid skin contact and with the eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/38/39	Wear protective clothing, enclosed footwear, impervious gloves, and organic vapour respirator including eye and face protection.

**ADG Classification** ACETONE, U.N. 1090, Class 3, HAZCHEM Code 3[Y]E, Packing Group II.

**SUSDP** Classified as a Schedule S 5 poison.

### FIRST AID MEASURES

<b><i>Inhalation</i></b>	If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.
<b><i>Ingestion</i></b>	If swallowed and only if the person is conscious, give water to drink. <b>DO NOT</b> induce vomiting. Seek URGENT medical attention if frothing from the mouth occurs.
<b><i>Eyes</i></b>	If splashed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.
<b><i>Skin</i></b>	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.
<b><i>First Aid Facilities</i></b>	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
<b><i>Advice to Doctor</i></b>	If poisoning occurs, consult with the Poisons Information Centre {Telephone <b>13 11 26</b> }. Have a copy of this material safety data sheet or label available. Treat symptomatically.



### FIRE FIGHTING MEASURES

<b><i>Extinguishing Media and Requirements</i></b>	Carbon Dioxide {CO <sub>2</sub> }, alcohol resistant foam, dry chemical or water spray. <b>DO NOT</b> use water jets. Bund area with sand to prevent run – off entering waterways and drains.
<b><i>Fire Fighting Procedures &amp; Precautions</i></b>	Fire – fighters should wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus and gloves. Evacuate all non fire–fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning. Move away all containers and equipment from the direction of the fire, if safe to do so. Keep upwind.
<b><i>Flammability</i></b>	Highly Flammable Liquid. Flash Point = < - 20 °C
<b><i>Hazardous Decomposition Products</i></b>	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.



### ACCIDENTAL RELEASE MEASURES

<b><i>Spills and Leaks</i></b>	Contain all spills and leaks. Avoid contamination with spilt material on surfaces. Remove all sources of ignition and <b>NO SMOKING</b> . Wear the recommended full body impervious clothing, gloves and breathing apparatus as per AS– NZ 1715/16. Keep upwind. Absorb all spilt contents onto sand or earth.
<b><i>Disposal</i></b>	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
<b><i>Other Precautions</i></b>	Avoid contaminating waterways, drains, watercourses and sewage.



**HANDLING and STORAGE**

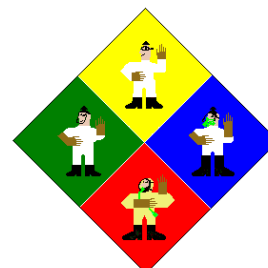
<b>Handling</b>	Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.
<b>Storage</b>	Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well-ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements.

**EXPOSURE CONTROLS**

<b>Exposure Standards MAK</b>	Acetone = 1200 mg/m <sup>3</sup> .
<b>Exposure Standards STEL</b>	No data available
<b>Engineering Controls</b>	Use mechanical exhaust ventilation system that is both flame and explosion proof electrical fittings during the application period at all times. Do not used in a confined space.

**PERSONAL PROTECTION**

<b>Inhalation AS –NZS 1715/16</b>	The wearing of Organic Vapour Respirator <b>should</b> be worn at all times during the application period.
<b>Eye AS –NZS 1337</b>	The wearing of safety glasses fitted side shields or faceshield <b>should</b> be worn at all times during the application period. Do not wear contact lenses.
<b>Gloves AS –NZS 2161</b>	The wearing of Viton or PVC gloves <b>should</b> be worn during the application period.
<b>Footwear AS –NZS 2210</b>	The wearing of enclosed footwear <b>should</b> be worn during the application period
<b>Clothing AS –NZS 2919</b>	The wearing of anti–static clothing made on natural or synthetic high temperature fibre <b>should</b> be worn during the application period
<b>Hearing AS –NZS 1270</b>	Not required.
<b>Other Requirements</b>	Avoid contact with eyes and skin. Wear the recommended Personal Protective Equipment as described.

**PHYSICAL – CHEMICAL PROPERTIES**

<b>Appearance</b>	A colourless liquid with a strong odour.	
<b>pH</b>	Not required.	
<b>Vapour Pressure</b> (Butyl Acetate = 1)	Greater than 1.	
<b>Boiling Point °C</b>	55 – 57 °C {literature value}	
<b>Density</b>	0.79 (literature value)	
<b>Solubility in water</b>	Miscible	
<b>Flash Point °C</b>	< – 20 °C {literature value}	
<b>Flammability Limits</b>	Lower Explosive Limit = 2.6%	Upper Explosive Limit = 13.0%
<b>Auto Ignition °C</b>	540 °C {literature value}	
<b>Volatile Components</b>	Acetone	

**STABILITY and REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to avoid</b>	Avoid contact with heat and all ignition sources.
<b>Incompatible materials</b>	Incompatible with strong oxidizing agents
<b>Hazardous decomposition products</b>	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.
<b>Hazardous Reactions</b>	Will not polymerise.

**TOXICOLOGICAL INFORMATION**

<b>Health Effects</b>	Acetone
Inhalation LC <sub>50</sub> /4 Hours (rat)	> 20 mgm/L
Dermal LD <sub>50</sub> (rabbit)	> 2000 mgm/kg
Oral LD <sub>50</sub> (rat)	> 2000 mgm/kg
Acute Oral Toxicity	Low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis, which can be fatal.
Acute Dermal Toxicity	Low toxicity.
Acute Inhalation Toxicity	Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement; continued inhalation may result in unconsciousness and/or death

**Other Health Effects**

Inhalation	The inhalation of vapours may cause acute irritation in the respiratory tract
Ingestion	Large quantities may cause nausea and vomiting.
Eyes	Irritating to the eyes, including burning sensitisation, redness, swelling and/or blurred vision. May cause decreased in colour perception.
Skin	May cause skin dryness and cracking on repeated exposure.
Carcinogenicity	Not carcinogenic in animal studies.
Mutagenicity	Not mutagenic in animal studies.

**ECOLOGICAL INFORMATION**

**Environment** No data available.

**DISPOSAL CONSIDERATIONS**

Collect all residues and placed into labelled and sealed containers. Do not incinerate empty containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents or spent containers. Crush all small empty containers. Larger containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and other watercourses.



**TRANSPORT INFORMATION**

<b>UN number</b>	1090		
<b>Proper Shipping Name</b>	ACETONE		
<b>Class</b>	3	<b>Subsidiary Risk</b>	Not Required
<b>Packing Group</b>	II		
<b>Emergency Procedures</b>	EP 3300	<b>Initial Emergency Response Guide</b>	14
<b>HAZCHEM</b>	3[ <input checked="" type="checkbox"/> ]		
<b>IMDG</b>			

**REGULATORY INFORMATION**

**SUSDP Classification**      Classified as a Schedule 5 Poison.

**OTHER INFORMATION**

**Emergency Contact**      **Poisons Information Centre 13 11 26**      **HiChem Paint Technologies (03) 9796 3400**

**Disclaimer**      *Data provided is to best of HiChem Paint Technologies Proprietary Limited knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. HiChem Paint Technologies Proprietary Limited cannot anticipate or control the conditions under which this information may be used. Therefore, it is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document*