

Acetone

SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Acetone
Recommended Uses: General purpose solvent
Supplier: Omega International Coatings P/L
Street Address: 111, Kurrajong Ave, Mount Druitt, NSW, 2770
Telephone Number: (02) 9832 0000
Fax: (02) 9677 0566
Emergency phone: **Poison Information Center: 13 11 26**

SECTION 2- HAZARDS IDENTIFICATION

Health Hazard Classification

This product is classified as hazardous under SafeWork Australia criteria.

Hazard Category

F: Flammable; Xn: Harmful; Xi: Irritant

Risk Phrases

R11: Highly Flammable
R20/22: Harmful by inhalation and if swallowed
R36/37: Irritant to eyes and respiratory system
R66: Repeated exposure may cause skin dryness and cracking
R67: Vapours may cause drowsiness and dizziness

Safety Phrases

S2: Keep out of reach of children
S7/9: Keep container tightly closed and in a well-ventilated place
S16: Keep away from sources of ignition
S23: Do not breathe vapour
S29: Do not empty into drains

SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%w/w)
Acetone	67-64-1	>99%
Ingredients determined to be non-hazardous or below the hazardous threshold		TO 100%

SECTION 4- FIRST AID MEASURES**Ingestion**

If a minor amount has been accidentally swallowed, then, if conscious, give large amounts of water. Do not allow further work until fitness for duties is established. Do not attempt to induce vomiting or give anything by mouth to an unconscious person. Seek medical attention. If there are signs of drunkenness (intoxication or inebriation) then serious health effects may follow (depending on the amount swallowed or inhaled). Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if breathing stops. Immediate medical attention should be sought and the affected person transferred and accompanied to the care of a doctor or hospital.

Eye contact

Flush eye with running water for a minimum of 15 minutes. Seek medical attention promptly if irritation persists or any loss of vision occurs.

Skin contact

Immediately remove contaminated clothing. Wash skin with water. Launder contaminated clothing before re-use.

Inhalation

Remove promptly to fresh air. If there are signs of drunkenness (intoxication or inebriation) or respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if breathing stops. Immediate medical attention should be sought and the affected person transferred and accompanied to the care of a doctor or hospital.

First aid facilities

Provide eye baths and safety showers.

Medical attention

Treat symptomatically.

SECTION 5- FIRE FIGHTING MEASURES**Specific hazards:**

Highly flammable liquid. May form flammable mixtures with air. The vapour is heavier than air and may travel along the ground; distant ignition and flash back are possible. Run off to sewers and drains may cause explosions. Isolate for at least 800 metres in all directions if tanks or tankers are involved. The use of compressed air for filling, discharging, mixing or handling is prohibited due to the vapour hazard. All vessels must be earthed to avoid generation of static charges when agitating or transferring. Avoid all ignition sources. Intrinsically safe equipment is necessary in areas where this chemical is being used.

Suitable extinguishing equipment

Use water fog (or if unavailable fine water spray), dry chemical, carbon dioxide or alcohol stable foam.

Hazards arising from combustion of product

Oxides of Carbon.

Special protective equipment and precautions for fire fighters

Wear breathing apparatus when fighting fire.

Hazchem Code: 2[Y]E

SECTION 6- ACCIDENTAL RELEASE MEASURES**Containment Procedures**

In the event of a spillage eliminate all sources of ignition and take measures to prevent static discharge – no smoking. Stop and contain the spill for salvage or absorb in inert absorbent material (e.g soil, sand, vermiculite) for disposal by an approved method in accordance with regulatory guidelines. Prevent run-off into waterways and drains. Clear area of all personnel not directly involved in the clean-up. All personnel involved in the containment and disposal procedures to wear protective equipment as described in Section 8 to prevent skin and eye contamination and inhalation of vapours. Use water spray to disperse vapour. Wash the cleaned up area with copious volumes of water to remove any trace amounts of product. Ventilate area well and ensure the atmosphere is safe before personnel return to the work area. If contamination of the waterways has occurred, advise the local emergency services, and waste and environmental authorities.

SECTION 7- HANDLING AND STORAGE**Precaution for safe handling**

This product is flammable. Avoid sources of heat, naked flames and sparks. Use in well ventilated area. Use flame proof equipment. No smoking. Earth all containers to reduce the possibility of sparks from static electricity.

Conditions for safe storage

Store in a cool, well-ventilated area and place away from heat, naked flames and sparks. Store away from oxidizing agents, alkaline materials and strong acids. Keep container closed at all times. Keep away from food, and drink and clothing.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Entity	Cas No	Weight%	TWA ¹ (ppm)	STEL ² (ppm)
Acetone	67-64-1	>99%	500	1000

¹ Time weighted average concentration

² Short-term exposure limit

Engineering controls

General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below TWA. Ventilation equipment should be explosion proof.

Personal protective equipment

Wear chemical safety glasses/goggles or face shield. Wear half face respirator, with organic vapor cartridge. Wear PVC or Nitrile chemical handling gloves.

SECTION9- PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear & colourless Liquid
Odour	-	Pleasant, sweet, ketone-type odour
Vapour pressure	kPa	0.238
Boiling Point	°C	56.2
Flash Point	°C	-18
Density @ 25°C	g/ml	0.791
Flammability Limits	%(v/v)	2.15 - 13
Volatile content	%(w/w)	Approx. 100
Solubility in water	-	Miscible

SECTION 10- STABILITY AND REACTIVITY**Chemical stability**

Stable at room temperature and pressure.

Conditions to avoid

Source of heat and ignition, open flames.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Burning can produce carbon dioxide and water; incomplete combustion can produce carbon monoxide

Hazardous reactions

Oxidizing agents, mineral acids, halogenated organic compounds and peroxides.

SECTION 11- TOXICOLOGICAL INFORMATION**Acute effects*****Ingestion***

Slightly toxic. Main hazard of ingestion is aspiration of swallowed liquid into lungs, causing chemical pneumonitis.

Eye Contact

Irritating, causing redness and burning sensation.

Skin Contact

Irritating, causing redness and burning sensation.

Inhalation

Harmful by inhalation. The vapour is irritating to the upper respiratory tract.

May cause nausea, dizziness and narcosis. Extreme exposure may result in unconsciousness, and possibly death.

Chronic effects

Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, blood forming, cardiovascular and reproductive systems.

SECTION 12- ECOLOGICAL INFORMATION

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SECTION 13- DISPOSAL CONSIDERATIONS

Product must be contained and not disposed to sewerage systems, drains or waterways. Advise flammable nature. Dispose of all waste containers and used drums in accordance with local authority guidelines. Empty containers must be decontaminated by rinsing with water. Non-returnable containers should be de-gassed prior to disposal. Suitable for incineration by approved agent under controlled conditions if permitted by local authorities, otherwise disposal must be in accordance with local waste and environmental authority requirements.

SECTION 14- TRANSPORT INFORMATION

For local transportation within New Zealand refer NZS 5433:1999: For Australia refers ADG code.

UN No.	1090
Proper Shipping Name	Paint Related Material
DG Class	3
Subsidiary Risk	Not Applicable
Packing Group	II
Hazchem Code	2[Y] E

SECTION 15-REGULATORY INFORMATION

HMIS Code: 230H

SECTION 16- OTHER INFORMATION

Contact Apco Coatings
Person/Point Technical Manager
Ph 02 98 32 0000 Mob 0422237710

Other Information Principal toxic properties of this product are due to the solvent composition and vapour inhalation hazards.

Abbreviations: N/A - Not Applicable N/AV - Not Available

Abbreviations:

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail

CAS Number: Chemical Abstracts Number