

HiChem Paint Technologies Pty.Ltd.

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

Product Name	REDUCER 240	Code	RED240
Product Use	Use as a solvent for Industrial Enamels and Primers.		
Ingredients	Name	CAS Number	Proportion w/w
	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

Inhalation	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.
Ingestion	If swallowed and only if the person is conscious, give water to drink. DO NOT induce vomiting. Seek URGENT medical attention if frothing from the mouth occurs.
Eyes	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.
Skin	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.
First Aid Facilities	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
Advice to Doctor	If poisoning occurs, consult with the Poisons Information Centre {Telephone 13 11 26 }. Have a copy of this material safety data sheet or label available. Treat symptomatically.

**FIRE FIGHTING MEASURES**

Extinguishing Media and Requirements	Carbon Dioxide {CO ₂ }, alcohol resistant foam, dry chemical or water spray. DO NOT use water jets. Bund area with sand to prevent run – off entering waterways and drains.
Fire Fighting Procedures & Precautions	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.
Flammability	Highly Flammable Liquid. Flash Point = < - 20 °C
Hazardous Decomposition Products	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.

**ACCIDENTAL RELEASE MEASURES**

Spills and Leaks	Contain all spills and leaks. Avoid contamination with spilt material on surfaces. Remove all sources of ignition and NO SMOKING . 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.
Disposal	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
Other Precautions	Avoid contaminating waterways, drains, watercourses and sewage.



HANDLING and STORAGE**Handling**

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.

Storage

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**Exposure**

Acetone = 1200 mg/m³.

Standards MAK**Exposure**

No data available

Standards STEL**Engineering**

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.

Controls**PERSONAL PROTECTION****Inhalation**

AS –NZS 1715/16

The wearing of Organic Vapour Respirator **should** be worn at all times during the application period.

Eye

AS –NZS 1337

The wearing of safety glasses fitted side shields or faceshield **should** be worn at all times during the application period. Do not wear contact lenses.

Gloves

AS –NZS 2161

The wearing of Viton or PVC gloves **should** be worn during the application period.

Footwear

AS –NZS 2210

The wearing of enclosed footwear **should** be worn during the application period

Clothing

AS –NZS 2919

The wearing of anti-static clothing made on natural or synthetic high temperature fibre **should** be worn during the application period

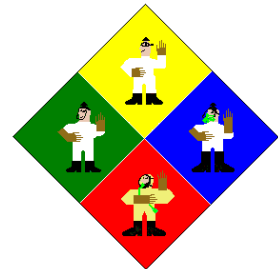
Hearing

AS –NZS 1270

Not required.

Other Requirements

Avoid contact with eyes and skin. Wear the recommended Personal Protective Equipment as described.

**PHYSICAL – CHEMICAL PROPERTIES****Appearance**

A colourless liquid with a strong odour.

pH

Not required.

Vapour Pressure

Greater than 1.

(Butyl Acetate = 1)

Boiling Point °C

55 – 57 °C {literature value}

Density

0.79 (literature value)

Solubility in water

Miscible

Flash Point °C

< – 20 °C {literature value}

Flammability Limits

Lower Explosive Limit = 2.6%

Upper Explosive Limit = 13.0%

Auto Ignition °C

540 °C {literature value}

Volatile Components

Acetone

STABILITY and REACTIVITY

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

TOXICOLOGICAL INFORMATION

Health Effects	Acetone
Inhalation LC ₅₀ /4 Hours (rat)	> 20 mgm/L
Dermal LD ₅₀ (rabbit)	> 2000 mgm/kg
Oral LD ₅₀ (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.
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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

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

**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**

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