



SAFETY DATA SHEET

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: Acetone
Proper Shipping Name Acetone
Recommended use: Industrial Solvent
Company Details Marketing Chemicals Ltd
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Auckland. New Zealand
Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
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Emergency Telephone: +64 274 736008(24 hours)
National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation 1 November 2014

Section 2: Hazard Identification



DANGER:

- Highly flammable liquid and vapour.
- May be harmful if swallowed.
- Causes mild skin irritation.
- Causes serious eye irritation.

HSNO Approval Number: Group Standard HSR00.

HSNO Classes: 3.1B, 6.1E(Oral), 6.3B, 6.4A

Prevention Statements:

- Read label before use.
- Keep away from sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/eye protection/face protection.

Response Statements

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- In case of fire: Use dry chemicals, sand or alcohol resistant foam for extinction

- If medical advice is needed, have product container or label at hand.
- If skin irritation occurs: Get medical advice/ attention.
- Wash hands thoroughly after handling.
- 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.

Storage Statements

- Store in a well-ventilated place. Keep cool.
- Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Acetone	100	67-64-1

Section 4: First Aid Measures

Eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

NOTES TO PHYSICIAN: Treat symptomatically. Potential for chemical pneumonitis. Consider gastric lavage with protected airway and administration of activated charcoal.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point	-17.0 °C - closed cup
Auto ignition Temperature	465.0 °C
Flammable Limits in Air % by Volume	Upper explosion limit: 13 ; Lower explosion limit: 2
Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Fire Fighting Instructions	Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.
Unusual Fire and Explosion Hazards	Carbon oxides

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations (see section 13).

Section 7: Handling And Storage

Handling & Storage:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

EXPOSURE GUIDELINES: NZ Workplace Exposure Standard (WES) has been set for components in this substance.

	WES-TWA	WES-STEL
Acetone (bio)	500 ppm (1185 mg/m ³)	1000 ppm (2375 mg/m ³)

Engineering Controls:

Use only in a well-ventilated area. A half-face filter mask suitable for organic gases and vapours (boiling point <650C) 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.

Eye / Face Protection:

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Body Protection:

PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.

Respiratory Protection:

Avoid breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material

Exposure Limits:

Not available

Section 9: Physical And Chemical Properties

Appearance	Liquid, Clear, Colourless
Boiling point	56°C
Specific Gravity	0.791 g/cm ³ at 25 °C
Vapour Pressure	533.3 hPa at 39.5 °C; 245.3 hPa at 20.0 °C
Vapour Density	2 (air = 1)
Solubility in water	Completely miscible
pH	Not applicable

Evaporation Rate Not available
Flash point -18°C

Section 10: Stability And Reactivity

Stability of the Substance: Stable under normal storage and use conditions.
Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.
Materials to avoid: Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride
Hazardous Decomposition Products: Not known
Conditions Contributing to Hazardous Polymerization

Section 11: Toxicological Information

Eyes Eyes - rabbit - Eye irritation - 24 h
Skin Skin - rabbit - Mild skin irritation - 24 h.
Mild skin irritant. Prolonged or repeated contact may cause defatting of skin, which can lead to dermatitis.
Ingestion LD50 Oral - rat - 5,800 mg/kg
Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Tremor.
Behavioral:Headache. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Inhalation

Section 12: Ecological Information

Environmental fate This product has not been classified as being ecotoxic.
Movement and partitioning Product is soluble in water.
Degradation and persistence Not expected to bio accumulate and is readily biodegradable. Product is mobile in soil and may contaminate groundwater. A void contamination of drains and waterways.
Ecotoxicology No EEL has been set for this substance.

Section 13: Disposal Considerations

Recover and recycle product whenever possible. Dispose of waste in accordance with Regional Authority or local council bylaws.
Ensure empty containers are vented and dry. Residues may cause an explosion hazard. Do not puncture, cut or weld un-cleaned drums. Send clean dry drums to recycler or metal scrap re-claimer. Do not use empty drums for storing other products.

Section 14: Transport Information



UN No: 1090
Proper Shipping Name: Acetone
Dangerous Goods Class: 3
Subsidiary risk: Nil
Packing Group: II
Hazchem Code: 2[Y]E

Section 15: Regulatory Information

HSNO Approval No: HSR001070
HSNO Classes: 3.1B, 6.1E(Oral), 6.3B, 6.4A

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
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Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

End of Safety Data Sheet.