

# SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017



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

**Product Name:** Acetone  
**Proper Shipping Name** Acetone  
**Recommended use:** Industrial Solvent  
**Restriction of use:** Refer to Section 15  
**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]  
**Fax:** +64 9 634 3864  
**Emergency Telephone:** +64 274 340990(24 hours)  
National Poison Centre(24 hours): 0800 POISON [ 764 766]  
**Date of preparation** 29 August 2024 v2

## Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**Pictograms:**



**EPA Approval Number:** HSR001070

**Signal Word:** DANGER

GHS Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.

P103	Read label before use.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in SDS Section 8.

<b>Response code</b>	<b>Response Statement</b>
P101	If medical advice is needed, have product container or label at hand.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry chemical powder, carbon dioxide, or alcohol foam for extinction.

<b>Storage Code</b>	<b>Storage Statement</b>
P403 + P235	Store in a well-ventilated place. Keep cool.

### Section 3: Composition/Information on Ingredients

<b>Name</b>	<b>% by Wt.</b>	<b>CAS Number</b>
Acetone	100	67-64-1

### Section 4: First Aid Measures

<b>Eyes:</b>	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.
<b>Skin:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
<b>Ingestion:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### Most important symptoms and effects, both acute and delayed

##### Symptoms:

<b>Ingestion:</b>	gastrointestinal irritation, nausea, vomiting and diarrhoea.
<b>Inhalation:</b>	Coughing, tightness of chest
<b>Skin:</b>	mild irritation, redness
<b>Eye:</b>	Lacrimation, redness, irritation

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

<b>Hazard Type</b>	Highly Flammable Liquid
<b>Hazards from products</b>	Oxides of Carbon when burned.
<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
<b>Precautions for firefighters and special protective clothing</b>	Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.
<b>HAZCHEM CODE</b>	3YE

## 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

<b>Handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Read label before use. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear protective clothing.
<b>Storage</b>	Keep out of reach of children. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be kept upright to prevent leakage.

## Section 8: Exposure Controls/Personal Protection

## WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Acetone (bio) [67-64-1]	500	1,185	1,000	2,375

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14TH EDITION.

<b>Engineering Controls:</b>	Use only in a well-ventilated area. A half-face filter mask suitable for organic gases and vapours (boiling point <65 <sup>0</sup> 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.
<b>Eye / Face Protection:</b>	Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.
<b>Body Protection:</b>	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
<b>Respiratory Protection:</b>	Avoid breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material
<b>Exposure Limits:</b>	Not available

## Section 9: Physical And Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear Colourless
<b>Odour</b>	Characteristic Solvent Odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Boiling Point</b>	56 <sup>0</sup> C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	-17 <sup>0</sup> C (cup closed)
<b>Flammability</b>	Flammable
<b>Upper and Lower Explosive Limits</b>	2% to 13%
<b>Vapour Pressure</b>	533.3 hPa @ 39.5 <sup>0</sup> C ; 245.3 hPa@20 <sup>0</sup> C
<b>Vapour Density</b>	2 (air=1)
<b>Specific Gravity</b>	0.791 g/cm <sup>3</sup> @ 25 <sup>0</sup> C
<b>Solubility in Water</b>	Completely Miscible
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	465 <sup>0</sup> C
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not applicable

## 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** Will not occur

## Section 11: Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes severe eye irritation.
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## 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

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021**



### Road, Rail, Sea and Air Transport

UN No	1090
Class - Primary	3
Packing Group	II
Proper Shipping Name	ACETONE
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: HSR001070

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L (>5L), 250L (<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L
Emergency Response Plan	1000L
Secondary Containment	1000L
Fire Extinguishers	2 x >250L
Restriction of Use	None

## Section 16: Other Information

### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14<sup>th</sup> edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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.

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End of Safety Data Sheet.