

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product name: **ACETONE**
Other names: Solvent for industrial use.
Recommended Use: Industrial solvent.
Supplier: Tradextra Ltd
Address: 3 Glenmore Drive, Warkworth 0910
PO Box 437, Warkworth 0941
Telephone: (+64) 9 425 0235
Facsimile: (+64) 9 425 0236
Website: www.tradextra.co.nz
Emergency phone: **National Poison Centre**
0800 764 766

SECTION 2: HAZARD(S) IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the *Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

HSNO Classifications

3.1B, 6.1E, 6.3B, 6.4A

Signal Word

DANGER

Hazard Statements:

H225 Highly flammable liquid and vapour
H303 May be harmful if swallowed

H316 Causes mild skin irritation
H320 Causes eye irritation

Precautions Statements:

P102 Keep out of reach of children
P233 Keep container tightly closed
P103 Read label before use
P240 Ground container and receiving equipment
P264 Wash hands thoroughly after handling
P273 Avoid release to the environment
P233 Keep container tightly closed

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P241 Use explosion-proof equipment
P242 Use non-sparking tools
P243 Take precautionary measures against static discharge
P280 Wear protective clothing, gloves and eye protection

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P332 + P313 If skin irritation occurs: Get medical advice.
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 occurs: Get medical advice.
P370 + P378 in case of fire: Stop leak if safe to do so.

Storage Statements:

P403 + P235 Store in a well-ventilated.
P405 Store locked up.

Disposal Statement:

P501 Dispose of product and containers in accordance with local regulations.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS no.	Proportion (%)
Acetone	67-64-1	100

SECTION 4: FIRST-AID MEASURES

For advice, contact National Poison Centre (0800 POISON; 0800 764 766) or a doctor. Have product container or label available.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Skin Contact

if skin or hair contact occurs, remove contaminated clothing and wash affected area with soap and water. If irritation persists, get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until

recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

First Aid Facilities

Provide eye baths and safety showers close to areas where splashing may occur.

Medical Attention

Treat according to symptoms. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

SECTION 5: FIRE-FIGHTING MEASURES

Flashpoint: -17°C

Flammable Limits: LFL : not available UFL: not available

Extinguishing media: Dry chemical or foam.

Fire & Explosion Hazards: Highly flammable liquid and vapour. Do not breathe smoke, gases or vapours generated in a fire. Expansion or decomposition of containers may lead to violent rupture of containers.

Firefighting Equipment: Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire:

- Alert Fire Station (111); advise location and nature of hazard.
- Wear breathing apparatus and protective gloves
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products:

Carbon dioxide, carbon monoxide.

Hazchem Code: 2YE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures & containment: refer to 'Fire Fighting Measures,' 'First Aid Measures' and 'Stability and Reactivity.'

Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely.

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Station (111); advise location and nature of hazard.
- Wear breathing apparatus and protective gloves.
- Stop leak of safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Eliminate sources of ignition, naked lights. No smoking.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labelled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handlings: Read product label before use. Handle containers with care. Avoid smoking, naked lights or ignition sources. Avoid generation of static electricity. Do NOT use plastic buckets. Use only spark-free tools. Avoid all personal contact including by inhalation. Wear

personal protective equipment and clothing including gloves and wash hands with soap and water after handling. Open slowly to control possible pressure release. Use in well-ventilated area. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.

Conditions for safe storage: Locked up in original packaging in a cool, dry, well-ventilated place away from direct sunlight. This product will fuel a fire in progress. Keep out of reach of children. Check containers periodically for leaks or distortion.

Incompatible materials: Natural rubber, butyl rubber, EDPM, polystyrene.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Health Exposure Standards: A Workplace Exposure Standard (WES) have been set by Worksafe New Zealand for this product

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

Biological limit values: None established.

Engineering controls: Ventilation – Use product outdoors or in a well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:

Respiratory Protection – Where air concentration may exceed the limits described in the Workplace Exposure Standards, wear SAA approved respiratory protection such as a half-face filter mask to protect from overexposure by inhalation. A type “A” filter material is considered suitable for this product.

Eye Protection – protect eyes from splashes or vapour. Always use safety glasses with side shields or goggles are worn.

Skin / Body Protection – Gloves are recommended to prevent irritant effects and avoid degreasing/drying of the skin. Prevent contact with clothes and skin, e.g. wear apron or overalls.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical value
Appearance	-	Clear colourless liquid
Odour	-	Solvent
Flash Point	0C	17 0C
Specific gravity @ 20 C	g/ml	0.792
Vapour Pressure @ 200C	mm Hg	180
Vapour Density @ 200C	kPa	Not available
Explosive Limits in Air	%	2.2-13
Viscosity	cSt	Not available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	Miscible

The values listed are indicative of this product's physical and chemical properties.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable at room temperature and pressure.

Conditions to avoid: Sources of heat and ignition, open flames, sparks.

Hazardous decomposition products: No decomposition products except on burning. See 'Fire Fighting Measures' and 'Hazardous Reactions.'

Hazardous reactions: Oxidizing agents, strong alkalis, strong mineral acids, bromine.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects:

Ingestion – Will irritate throat, trachea and respiratory tract. Ingestion of small amounts may cause nausea. Ingestion of large amounts will have a narcotic effect; headaches, dizziness, euphoria, loss of appetite and possible unconsciousness. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis

Eye contact – This product may be moderately to severely irritating to eyes and may result in corneal damage if not promptly treated. Exposure to vapour concentrations of 500 -1000ppm usually is irritating to eyes.

Skin contact – is irritating to the skin with short term contact. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation – Vapour concentrations above 500ppm are irritating to nose

and throat. Exposure to high concentrations (above 1000ppm) result in narcotic effects; possible symptoms are headaches, dizziness, loss of co-ordination, nausea, loss of appetite. In severe case loss of unconsciousness is possible

Chronic Effects: Prolonged or repeated exposure to skin may result in irritant contact dermatitis.

Other Health Effects Information: Exposure to this product can increase toxicity to kidneys and liver to hydrocarbon solvents such as trichloroethylene and chloroform

Toxicological Information:

Acetone Rat, Oral, LD50 5800 – 8400 mg/kg

Mouse, Oral, LD50 3000 mg/kg

Rabbit, Dermal, LD50 20,000 mg/kg

Rat, Inhalation LC50 (4 hr) 32,000 ppm

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity – product is not identified as being ecotoxic to aquatic life.

Persistence/degradability – Expected to biodegrade rapidly. Considered to have negligible bio accumulative effects.

Mobility – This product is highly volatile and will rapidly evaporate to air if released into water. Expected to leach readily in most soil types.

Environmental Exposure Standards: Not set

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authorities. Packaging may still contain fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry before disposal.

SECTION 14: TRANSPORT INFORMATION

UN number: 1090
Shipping name: ACETONE
Class: 3
Packing Group: II
Hazchem code: 2YE

Dangerous Goods Segregation – This product is classified as Dangerous Goods Class 3, Packing Group II.
Please consult NZS 5433:2012 Transport of Dangerous Goods on Land for information.

SECTION 15: REGULATORY INFORMATION

Country / Region: New Zealand

Inventory: NZCIL

Status: Listed

ERMA New Zealand Approval Code: Solvents HSR001070; ACETONE.
Refer www.epa.govt.nz for information on Controls.

SECTION 16: ANY OTHER RELEVANT INFORMATION

Date of issue: 10th June 2022
Reasons for issue: Change in format

Abbreviations:

CAS No Chemical Abstracts Number
EPA/ ERMA Environmental Risk Management Authority
HSNO Hazardous Substances and New Organisms
NZCI New Zealand Chemical Inventory
STEL Short Term Exposure Limit
TWA Time Weighted Average
WES Workplace Exposure Standard

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but it is no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Tradextra Ltd.

END OF SAFETY DATA SHEET