

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ACETONE LS0013

Synonyms: Dimethyl ketone, Propanone.

Use: Used for cleaning and degreasing dirty surfaces and as a general purpose solvent.

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court, Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Flammable Liquid – Category 2

Eye irritation – Category 2

Specific target organ toxicity (single exposure) – Category 3

SIGNAL WORD: DANGER



Hazard Statement(s):

H225 – Highly flammable liquid and vapour.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

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Precautionary Statement(s):

Prevention:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read Safety Data Sheet before use.
- P210 – Keep away from ignition sources – No smoking.
- P260 – Do not breathe fumes/gas/mist/vapour/spray.
- P264 – Wash hands thoroughly after handling
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment
- P241 – use explosion – proof equipment when handling this product.
- P242 – Use only non-sparking tool.
- P243 – Take precautionary measures against static discharge.
- P280 - Wear protective gloves/eye protection/ face protection.

Response:

- P301 + 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 alcohol resistant foam, Dry Chemical, CO₂ or water fog.
- P314 – Get medical advice/attention if you feel unwell.

Storage:

- P405 – Store in a well-ventilated place. Keep cool.

Disposal:

- P501: Dispose of contents/container in accordance with local waste management authority.

Poison Schedule (Australia): 5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk phrases
Acetone	67-64-1	100%	H225; H319; H336

4. FIRST AID MEASURES

Medical advice: For advice, contact a Poisons Information Centre, phone 131126, or contact a doctor.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Skin Contact: Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before use or discard. Seek medical attention.

Eye Contact: If contact with the eyes occurs, wash with copious amounts of water holding eyelids open. Take care not to rinse contaminated water into non-affected eye. Seek medical attention.

Ingestion: Never give anything by mouth if victim is semi-conscious or unconscious. Immediately wash out mouth with water and then give plenty of water to drink. Seek medical attention.

Notes to Doctor: Treat symptomatically or consult a Poisons Information Centre.

5. FIRE FIGHTING MEASURES

Specific Hazards: Reacts violently with bromoform and chloroform in the presence of alkalis or in contact with alkaline surfaces. Decomposes violently in contact with nitric and sulfuric acid mixtures. Can react violently with oxidising agents.

Fire-fighting advice: Full protective clothing and self-contained breathing apparatus is required. The fire could be easily spread by the use of water, if the water can't be contained. Water may be ineffective in fighting the fire.

Suitable Extinguishing Media: Use alcohol resistant foam, CO₂, dry chemical, or water fog.

Hazchem Code: •2YE

Flammability: Highly flammable.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use water spray to disperse vapours and dilute spill to a non flammable mixture. Use clean non-sparking tools to collect material and place into suitable labelled container. Dispose of waste according to federal, Environmental Protection Authority, and state regulations. Do not allow spill to enter drains, sewers or waterways. If the spillage enters the waterways contact the Environmental Protection Authority or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling advice: Open containers cautiously as contents may be under pressure. Use only in well ventilated area. Use grounding leads during transfer of liquid from metal containers to avoid electrical discharge. Do not enter these areas without respiratory protection or until atmosphere has been checked. It is essential that all who come into contact with this material maintain high standards of personal hygiene, ie: washing hands prior to eating, drinking, smoking or using toilet facilities

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Storage advice: Store out of direct sunlight in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing. Keep containers closed when not in use and securely protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Do not stack more than 3 pallets high.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits:

	STEL	STEL	TWA	TWA
ACETONE	2375 mg/m ³	1000 ppm	1185 mg/m ³	500 ppm

Engineering Controls: Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated in enclosed areas where natural ventilation is inadequate, a flameproof exhaust ventilation system is required.

Personal Protection Equipment: If engineering controls are not effective in controlling airborne exposure, then respiratory protective equipment must be used for protecting against airborne contaminants. Safety glasses with side shields, goggles or full-face shield are appropriate for eye protection. Wear barrier chemical resistant or neoprene gloves. Wear chemical resistant clothing, including chemical resistant apron, where clothing is likely to be contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless, mobile liquid.

Boiling Point: 56°C

Melting Point: - 94.8°C

Flash Point: - 17°C

Vapour Pressure: 187 mmHg @ 20°C

Vapour Density (Air = 1): 2.0

Flammability Limits: LEL 2.1%; UEL 13%

Specific Gravity: 0.791@ 20°C

pH (1% dispersion): Not available.

Solubility in water: Soluble.

Corrosiveness: Non corrosive.

10. STABILITY AND REACTIVITY

Stability: Stable when stored in sealed container at room temperature. Avoid contact with painted surfaces, natural rubber, polystyrene, EDPM, and neoprene.

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11. TOXICOLOGICAL INFORMATION

Oral LD50(rat): 9750 mg/kg
Inhalation LC50 (rat): >16,000 ppm/4hr
Dermal LD50 (rabbit): > 20ml/kg (slight irritation)
Eye Irritation (rabbit): Moderate

Acute Health Effects:

Ingested: Ingestion of this product may irritate the gastrointestinal tract causing nausea and vomiting.

Eye: Contact with eyes will cause tearing, stinging, blurred vision and redness.

Skin: May cause redness, itching and irritation. Prolonged contact with skin may cause blistering and repeated contact may have a defatting effect causing dryness and cracking.

Inhaled: Causes irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include: sneezing, coughing, wheezing, shortness of breath, headache, dizziness, nausea, and vomiting.

Chronic: Repeated or prolonged skin contact can cause severe irritation or dermatitis. Contact with this product over long periods can aggravate pre-existing medical conditions. Use of alcoholic beverages enhances toxic effects. Exposure may increase the toxic potential of chlorinated hydrocarbons such as chloroform or trichloroethane.

12. ECOLOGICAL INFORMATION

This product has a potential to cause oxygen depletion in aqueous systems.

A low potential to affect aquatic organisms.

A low potential to affect secondary waste treatment microbial metabolism.

A low potential to affect the growth of some plant seedlings.

Overall, this product is not expected to cause adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Empty packaging must be taken for recycling, recovery or disposal through a local recycling facilities. Packaging that contains fumes can be left in open area until the fumes evaporate. The container will then be safe for recycling.

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14. TRANSPORT INFORMATION

UN Number: 1090

Proper Shipping Name: ACETONE

Dangerous Goods Class: 3

Subsidiary risk: None

Packing Group: II

Hazchem Code: •2YE

Road and Rail Transport: Classified as Dangerous Goods according to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG code).



15. REGULATORY INFORMATION

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Poisons Schedule: 5

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16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

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Issue Date: JULY, 2020