

# SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** METHYL ETHYL KETONE LS472

**Synonyms:**

**Use:** Solvents for resins, inks and paints.

**Supplier:** Advance Chemicals

**ABN:** 61 005 625 025

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

**Telephone Number:** (03) 9398 4444

**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 7<sup>th</sup> 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.
- 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.
- P264 – Wash hands, face and all exposed skin thoroughly after handling
- P260 – Do not breathe fumes/gas/mist/vapours/spray
- P270 – Do not eat, drink or smoke when using this product.

### Response:

- P301 + P361 +P353 – IF ON SKIN (or hair): remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370 + P378 – In case of fire use alcohol resistant foam, Dry Chemical, CO<sub>2</sub> or water fog.
- 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.
- P309 + P311 – If exposed or if unwell; call a POISON CENTRE (131126) or doctor/physician.

### 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
Methyl Ethyl Ketone	78-93-3	60 - 100%	H225, H319, H336

## 4. FIRST AID MEASURES

**Inhalation:** Using proper respiratory protection for yourself, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

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**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation persists, seek medical attention.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes. Seek prompt medical attention.

**Ingestion:** Rinse mouth with water. Give water to drink provided victim is conscious. Do NOT induce vomiting. Seek medical attention.

**Notes to Doctor:** Treat according to symptoms.

## 5. FIRE FIGHTING MEASURES

**Specific Hazards:** Vapours are heavier than air and may travel to an ignition source and flash back. Vapours can spread along the ground and collect in low or confined areas. When involved in a fire, a complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds may be evolved.

**Fire-fighting advice:** Use water to disperse the vapours and to protect personnel attempting to stop the leak. Either allow the fire to burn under controlled conditions or extinguish with materials listed below. Wear full protective clothing including self contained breathing apparatus.

**Suitable Extinguishing Media:** Large fires: apply alcohol type or all purpose type foam. Apply carbon dioxide or dry chemical media for small fires.

**Hazchem Code:** 2YE

**Flammability:** Flammable Liquid

## 6. ACCIDENTAL RELEASE MEASURES

Clean up personnel must wear full protective clothing including breathing apparatus if inhalation hazard exists. Eliminate all sources of ignition. Warn occupants of downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses or low areas. Keep public away. Shut off source if possible to do so without hazard. Take measures to minimise the effect on ground water. Contain spilled liquid with sand or earth. Recover by pumping (use an explosion-proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable container for recycle or disposal.

## 7. HANDLING AND STORAGE

**Handling advice:** Use in well ventilated areas away from any ignition sources. Only use equipment that is intrinsically safe for use with flammable liquids and vapours. Keep containers closed when not in use.

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**Storage advice:** Store in a well-ventilated place away from incompatible materials. Do not store near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Use proper grounding procedures. Do not pressurise, cut, heat or weld containers. Empty product containers may contain residue. Do not reuse empty containers without commercial cleaning or reconditioning.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Occupational Exposure Limits:** TWA: 150 ppm, 445mg/m<sup>3</sup>. STEL: 300 ppm, 890 mg/m<sup>3</sup>.

**Engineering Controls:** The mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperature or otherwise to maintain ambient concentration below the recommended threshold exposure limits. Use explosion-proof ventilation equipment.

**Personal Protection Equipment:** Wear chemical resistant gloves, protective clothing, shoes, and face shield.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colourless liquid, with oxygenated hydrocarbon odour.

**Boiling Point:** 80 deg C

**Melting Point:** -85.9 deg C

**Flash Point:** Closed cup -9

**Vapour Pressure:** 9.3kPa @ 20 deg C

**Vapour Density (Air = 1):** 2.5

**Flammability Limits:** 1.4% to 11.4%

**Specific Gravity:** 0.81

**pH (30% solution):** 5.5 @ 20 deg C

**Solubility in water:** 250 g/l @ 20 deg C

**Corrosiveness:** Not applicable.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable when stored under normal conditions. Incompatible with oxidizing agents, acids, halogenated compounds, alkali hydroxides and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

**Acute Health Effects:**

**Ingested:** Small amounts of liquid aspirated into the lungs from ingestion of the product or from vomiting, may cause chemical pneumonitis which can be fatal. Absorption of large amounts may cause Central Nervous System disorders, drowsiness, dizziness, inebriation, drop in blood pressure, narcosis, impaired function of the heart and respiratory tract.

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**Eye:** Irritating, and will injure eye tissue if not removed properly.

**Skin:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Low order of toxicity.

**Inhaled:** Vapor concentrations above recommended exposure levels may be irritating to the eyes and respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system.

**Chronic:** May irritate skin on prolonged or repeated exposure.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

Disposal must be done in accordance with The Hazardous Waste Act. Contact a specialist disposal company or the local waste regulator for advice. Empty drums must be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care must be taken to ensure compliance with national and local regulations. This product is NOT for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

## 14. TRANSPORT INFORMATION

**UN Number:** 1193

**Proper Shipping Name:** METHYL ETHYL KETONE LS472

**Dangerous Goods Class:** 3

**Subsidiary risk:** None allocated

**Packing Group:** II

**Hazchem Code:** 2YE

**Road and Rail Transport:** Classified as Dangerous Goods by the Australian Code for the Transport of Dangerous Goods by Road and Rail.



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## 15. REGULATORY INFORMATION

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**Hazard Statement(s):**

H225 – Highly flammable liquid and vapour.

H319 – Causes serious eye irritation

H336 – May cause drowsiness or dizziness

H304 – May be fatal if swallowed and enters airways.

**Poisons Schedule:** 5

## 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 must review this information in the specific context of the intended application.

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