

# SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** SOLVENT S5

**Synonyms:**

**Use:** Cleaning adhesive residues. 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 3<sup>rd</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

Reproductive toxicity – Category 1B

Specific target organ toxicity (repeated exposure) – Category 3

Skin irritation – Category 2

**SIGNAL WORD:** DANGER



**Hazard Statement(s):**

H225 – Highly flammable liquid and vapour.

H319 – Causes serious eye irritation.

H335 – May cause respiratory irritation

H336 – May cause drowsiness or dizziness.

H315 – Cause skin irritation

H360 – May damage the unborn child

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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.
- P271 – Use only outdoors or in a well-ventilated area.

### 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, CO<sub>2</sub> or water fog.
- P314 – Get medical advice/attention if you feel unwell.
- P332 + P313 – If skin irritation occurs: Get medical advice/attention.

### 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	
Acetone	67-64-1	30 – 60%	H225; H319; H336
Ethanol	64-17-5	10 – 30%	H225
N-Methyl Pyrrolidone	872-50-4	10 – 30%	H360, H319, H335, H315

## 4. FIRST AID MEASURES

**Inhalation:** Remove from contaminated area. Apply artificial respiration if not breathing. Seek medical assistance.

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**Skin Contact:** Remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse. Seek medical assistance if irritation occurs.

**Eye Contact:** Hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Ingestion:** If swallowed do NOT induce vomiting. Give a glass of water. Seek medical assistance. For advice contact the Poisons information Centre on 131 126.

**Notes to Doctor:** Treat according to symptoms. Because of risk of aspiration gastric lavage should only be attempted after endotracheal intubation.

## 5. FIRE FIGHTING MEASURES

**Specific Hazards:** Highly flammable liquid. Combustion products include oxides of carbon. Avoid heat and sources of ignition. Prevent build up of flammable vapours.

**Fire-fighting advice:** Wear breathing apparatus, full protective clothing, appropriate boots and chemically impervious protective gloves while attending hazard. Prevent the product and or extinguishing media from entering drains or waterways. Hoses should be electrically continuous and containers bonded to avoid static build up. Use water to cool fire exposed containers.

**Suitable Extinguishing Media:** Foam, Dry Chemical, CO<sub>2</sub>, Water Fog.

**Hazchem Code:** 2[Y]E

**Flammability:** Flammable.

## 6. ACCIDENTAL RELEASE MEASURES

Prevent the product and or extinguishing media from entering drains or waterways. For large spills, contain using sand or soil. Absorb using sand, soil, vermiculite or some other inert material. Collect and seal in properly labelled containers for disposal.

## 7. HANDLING AND STORAGE

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

**Storage advice:** Store in a cool, well ventilated area away from heat and ignition sources. Store away from strong oxidising agents. Containers should always be kept closed in storage and properly labelled.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Occupational Exposure Limits:

500 ppm for 8 hour day 5 day week time weighed average.  
Short term exposure limit: 1000 ppm

**Engineering Controls:** Keep away from sources of ignition. Take precautionary measures against precautionary measures against static discharges. Provide sufficient ventilation to control exposure levels below the exposure standards. Use local exhaust ventilation at sources of air contamination such as open process equipment. Dangerous concentrations may exist in areas with poor ventilation such as confined spaces. Protect against accidental release to waterways and drains. Use in a well ventilated area.

**Personal Protection Equipment:** Wear chemical gloves, goggles or face shield. Wear protective clothing as necessary to avoid skin contact. Wear chemical resistant gloves. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. This product is harmful if inhaled. Respirators should comply with AS1716 or an equivalent approved by a state or territory authority.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear colourless liquid, with a sharp, fragrant smell

**Boiling Point:** 56 °C

**Melting Point:** Not Known

**Flash Point:** - 17 °C

**Vapour Pressure:** 25 kPa @ 25 °C

**Vapour Density (Air = 1):** 3

**Flammability Limits:** LEL 2.6% UEL 12.8%

**Specific Gravity:** 0.79 @ 20°C

**pH (1% dispersion):** 7.0

**Solubility in water:** Soluble in all proportions

**Corrosiveness:** Non-corrosive

## 10. STABILITY AND REACTIVITY

**Stability:** Stable when stored in sealed container at room temperature.

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## 11. TOXICOLOGICAL INFORMATION

Acetone is generally regarded as a low toxicity industrial solvent.

### Acute Health Effects:

**Ingested:** Irritant to the mouth, throat and digestive tract. A large dose may cause drowsiness and lead to unconsciousness.

**Eye:** May injure tissue, irritating causing redness. May cause corneal damage.

**Skin:** Contact with undiluted product may cause irritation to skin. Repeated or prolonged contact may lead to dermatitis.

**Inhaled:** Inhalation of mist or aerosol may cause irritation to the nose or throat. Chronic exposure to the vapour may result in headache and symptoms of central nervous depression. Prolonged exposure of high concentrations may lead to unconsciousness.

**Chronic:** May irritate skin on prolonged or repeated exposure. The use of gloves is recommended.

## 12. ECOLOGICAL INFORMATION

Not a significant aquatic toxic hazard and is biodegradable.

This substance may be hazardous to the environment. May be harmful to fish. Water polluting substance. Avoid contaminating waterways.

Aquatic Toxicity for Ethanol:

Acute Fish Toxicity LC50 (Fingerling Trout, 24hrs): 11200mg/L

Acute Fish Toxicity LC50 (Golden Ide, 48hrs): > 1000mg/L

Acute Fish Toxicity LC50 (Guppy, 7 days): 11050ppm

Acute Diphnia Toxicity EC50 (Daphnia Magna, 24hrs): >1000mg/L

Persistence and degradability:

Ethanol Degree of elimination: 94% Biodegradable.

## 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority

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## 14. TRANSPORT INFORMATION

**UN Number:** 1993

**Proper Shipping Name:** FLAMMABLE LIQUID, N.O.S.

**Dangerous Goods Class:** 3

**Subsidiary risk:** None

**Packing Group:** II

**Hazchem Code:** 2[Y]E

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



## 15. REGULATORY INFORMATION

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**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 can not 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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