



# SAFETY DATA SHEET

## ATLANTIC B1 SOLVENT 1425

Version 1.0

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Issued by Atlantic Lubricants Pty. Ltd.

### 1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY

**Product Name** : Atlantic B1 Solvent 1425  
**Use** : Industrial Solvent  
**Product Code** : SOLB1002  
**Company Name** : Atlantic Lubricants Pty Ltd (ABN 67 088 335 059)  
**Address** : 40 Liverpool Street Ingleburn NSW 2565  
**Telephone/ Fax No** : Tel: (02) 9829 7555 Fax: (02) 9829 4555  
**Web** : www.atlanticoil.com  
**Emergency Telephone** : (02) 9829 7555  
Poisons Information Centre (Aust. 13 11 26)  
**Other Product Information** : (02) 8706 3240

### 2. HAZARD(S) IDENTIFICATION

**Classification of the mixture** : Classified as hazardous under GHS for Australia criteria  
**Hazardous Classification** : Flammable Liquids: 2  
Acute Toxicity - Oral: 3  
Skin Corrosion/Irritation: 2  
Specific Target Organ Toxicity (Repeated Exposure): 1  
**Signal Word** : **Danger**  
**Pictograms** :



#### Hazard Statements:

**H225:** Highly flammable liquid and vapour  
**H315:** Causes skin irritation  
**H372:** Causes damage to organs through prolonged or repeated exposure  
**H305:** May be harmful if swallowed and enters airways  
**AUH066:** Repeated exposure may cause skin dryness or cracking



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## 2. HAZARD(S) IDENTIFICATION

(Continued)

### Precautionary Statements:

**H336:** May cause drowsiness or dizziness

**P403:** Store in a well ventilated place.

**P210:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P260:** Do not breathe dust/fume/gas/mist/vapours/spray.

**P262:** Do not get in eyes, on skin, or on clothing.

**P370+378:** In case of fire: Use sand, earth, or chemical foam to extinguish.

**P301+312+101:** IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell, and have product container or label at hand.

**Poisons Schedule: 5**

**Dangerous Goods Classification : 3**

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENT	%(w/w)	CAS NUMBER
Isoheptanes	<85	Not Provided
Petroleum distillates, Solvent refined heavy paraffinic	15-20	Various
Isohexanes	<15	73513-42-5

## 4. FIRST AID MEASURES

For advice contact Poisons Information Centre (Aust. 13 11 26) or a doctor

- Eye** : If contact with the eye(s) occurs, wash with copious amounts of water, until irritation subsides. Take care not to rinse contaminated water into the non-affected. Seek immediate medical attention.
- Inhalation** : Using proper respiratory protection, remove the source of contamination or move the victim to fresh air. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.
- Ingestion** : Do NOT induce vomiting. Keep at rest. Seek immediate medical attention.
- Skin** : Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.
- Notes to physician** : Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.
- First Aid Facilities** : Provide eye baths and safety showers



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## 5. FIRE FIGHTING MEASURES

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<b>Extinguishing Media</b>	:	Foam or dry chemical.
<b>Specific Hazards</b>	:	Fire-exposed container may rupture/explode.
<b>Hazchem Code</b>	:	3YE
<b>Hazards From Combustion Products</b>	:	Under fire conditions this product will emit toxic and/or irritating fumes. Carbon dioxide and carbon monoxide.
<b>Precautions in Connection with Fire</b>	:	Self-Contained Breathing Apparatus (S.C.B.A) and full protective firefighting clothing.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	:	Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.
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### Methods and materials for containment

<b>Major Land Spill</b>	:	<ul style="list-style-type: none"><li>• Eliminate sources of ignition.</li><li>• Warn occupants of downwind areas of possible fire and explosion hazard.</li><li>• Prevent liquid from entering sewers, watercourses, or low-lying areas.</li><li>• Keep the public away from the area.</li><li>• Shut off the source of the spill if possible and safe to do so.</li><li>• Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.</li><li>• Take measures to minimise the effect on the ground water.</li><li>• Contain the spilled liquid with sand or earth.</li><li>• Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.</li><li>• Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.</li><li>• See “First Aid Measures” and “Stability and Reactivity”</li></ul>
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## 6. ACCIDENTAL RELEASE MEASURES

(Continued)

- Major Water Spill** :
- Eliminate any sources of ignition.
  - Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
  - Notify the port or relevant authority.
  - Keep the public away from the area.
  - Shut off the source of the spill if possible and safe to do so.
  - Confine the spill if possible.
  - Remove the product from the surface by skimming or with suitable absorbent material
  - Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
  - See “First Aid Measures” and “Stability and Reactivity”

## 7. HANDLING AND STORAGE

- Handling** : This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).
- Storage** : Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, Heat or weld containers - residual vapours are flammable. This product is flammable or will fuel a fire in progress.
- Incompatible Materials** : Natural rubber, Butyl Rubber, EPDM, Polystyrene

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- Exposure Limits** : The time weighted average concentration (TWA) for this product is: 1640mg/m<sup>3</sup> (400 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: 2050 mg/m<sup>3</sup> (500 ppm), which is the maximum allowable exposure concentration at any time.
- Respiratory Protection** : Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type “A” filter material is considered suitable for this product. Reference should be made to Australian Standards AS/NZS 1715, selection. Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.



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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(Continued)

- Eye Protection** : Safety glasses with side shields, goggles or full-face shield is recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 – Personal Eye Protection Part 1: Eye and Face Protectors for Industrial Applications.
- Hand Protection** : Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
- Body Protection** : Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.
- Engineering Controls** : The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation in confined spaces. Use explosion proof ventilation equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	:	Clear colourless liquid
<b>Odour</b>	:	Mild
<b>Solubility in Water</b>	:	< 0.10
<b>pH Value</b>	:	Not Provided
<b>Electrostatic Stability</b>	:	Not Provided
<b>Vapour Pressure @ 20°C</b>	:	Not Provided
<b>Vapour Density</b>	:	Not Provided
<b>Flash Point</b>	:	-15
<b>Autoignition Temperature</b>	:	> 200°C.
<b>Melting Point</b>	:	Not Provided
<b>Boiling Point</b>	:	Not Provided
<b>Specific Gravity @ 15°C</b>	:	0.69
<b>Explosive Limits LEL</b>	:	1.0
<b>Explosive Limits UEL</b>	:	1.0
<b>Pour Point</b>	:	Not Provided



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## 10. STABILITY AND REACTIVITY

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- Stability** : Stable under normal conditions.
- Hazardous Polymerization** : Will not occur.
- Hazardous Decomposition Products** : Thermal decomposition may result in the release of toxic and or irritating fumes including carbon monoxide, carbon dioxide and other organic complexes on incomplete burning or oxidation.
- Hazardous Reaction** : Oxidizing agents, mineral acids, halogenated organic compounds. Combination with MEK will result in potentiated (greatly increased ) health effects similar to those in ingestion and inhalation.
- Conditions to avoid** : Heat, direct sunlight, open flames or other sources of ignition.

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## 11. TOXICOLOGICAL INFORMATION

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### ACUTE HEALTH EFFECTS

- Toxicology Information** : No toxicity data is available for this material.
- Ingestion** : Produces hallucinations and narcotic effect. Ingestion of large amounts will result in drowsiness, fatigue, loss of appetite, paresthesia in distal extremities (tingling in hands and feet). Possibility of muscle weakness, cold pulsation in extremities (hands and feet), blurred vision, headache, and nausea. Vomiting may cause this product to be aspirated to the lungs resulting in chemical pneumonitis or pulmonary oedema.
- Inhalation** : This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.
- Skin** : This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.
- Eye** : This product is irritating to eyes but will not permanently damage the eye tissue.



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## 11. TOXICOLOGICAL INFORMATION

(Continued)

### CHRONIC HEALTH EFFECTS

- Chronic Effects** : There is evidence of potentially irreversible damage to the peripheral nervous system, particularly arms and legs.
- Toxicological Information** : Oral LD<sub>50</sub>: heptane: LC<sub>50</sub>: 103 g/m<sup>3</sup> (4H, inhalation, rat)  
Dermal TC<sub>Lo</sub>: heptane: 1000 ppm (inhalation, human)

### OTHER INFORMATION

This product contains isomers of heptane which have fewer health effects than products containing hexanes; although the same precautions to minimise inhalation and skin exposures should be observed.

## 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Fish Toxicity (rainbow trout, goldfish, bluegill) LC<sub>50</sub>(96hr):  
No data available
- Daphnia Magna EC<sub>50</sub> (24 hr):  
No data available
- Blue-green algae (Toxicity threshold 7-8 days):  
No data available
- Green algae (Toxicity threshold 7-8 days):  
No data available
- Persistence /Degradability** : Readily biodegradable.  
Oxidises rapidly by photo-chemical reactions in air.
- Bioaccumulation** : Does not bioaccumulate significantly.
- Mobility** : This product is highly volatile and will rapidly evaporate to the air if released into the water.

## 13. DISPOSAL CONSIDERATIONS

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 and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. Dispose of waste according to state E.P.A. regulations. Assure conformity with all applicable regulations.



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## 14. TRANSPORT INFORMATION

This product is classed as Dangerous Goods Class 3, packing group II. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

**U.N. NUMBER** : 1206  
**PROPER SHIPPING NAME** : Heptanes  
**DG CLASS** : 3  
**SUBSIDIARY HAZARD** : None Allocated  
**HAZCHEM CODE** : 3YE  
**PACKING GROUP** : II

## 15. REGULATORY INFORMATION

**COUNTRY/ REGION** : AUSTRALIA  
**INVENTORY** : AICS  
**STATUS** : LISTED  
**POISONS SCHEDULE** : 5

## 16. OTHER INFORMATION

**REFERENCES** : AICS: Australian Inventory of Chemical Substances  
CAS Number: Chemical Abstracts Number  
IARC: International Agency for Research on Cancer  
NOHSC: National Occupational Health and Safety Council  
AS/NZS 1715 - Use and maintenance of Respiratory Protective Devices.  
AS/NZS 1716 - Respiratory Protective Devices.  
AS/NZS 1337 - Personal eye protection Part 1: Eye and face protectors for occupational applications.  
AS/NZS 2161.1 - Occupational protective gloves.  
AS 1940 - The storage and handling of flammable and combustible liquids.

### CONTACT

For information concerning details on this Safety Data Sheet contact Atlantic Technical Help Line on (02) 8706 3240.

All reasonable care has been taken to ensure that the information and advice contained herein are accurate at the time of printing. However, Atlantic accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS. A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.