

**ATLAS COPCO COMPRESSORS AUSTRALIA**  
**MATERIAL SAFETY DATA SHEET**

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**Roto-Injectfluid**

**1. IDENTIFICATION OF PRODUCT AND COMPANY**

**Identification of substance/preparation**

Roto-Injectfluid

**Application**

Air compressor oil.

For specific application advice see appropriate Technical Data Sheet or consult Atlas Copco.

**Company Identification**

Atlas Copco Compressors Australia

ACN 000 086 706

3 Bessemer Street

Blacktown NSW 2148

Telephone No. +61 02 9621 9600

Facsimile No. +61 02 9622 3409

Not hazardous according to criteria of Worksafe Australia.

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Composition**

A blend of severely solvent refined base oils together with proprietary performance additives.

**Hazardous Components**

No component is present at sufficient concentration to require a hazardous classification.

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**3. HAZARDS IDENTIFICATION**

This material is not considered to be hazardous to health but should be handled in accordance with good industrial hygiene and safety practices.

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**4. FIRST AID MEASURES**

**Eyes**

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

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### **Skin**

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

### **Ingestion**

If contamination of the mouth occurs, wash out thoroughly with water.

Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

### **Inhalation**

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

### **Medical Advice**

Treatment should in general be symptomatic and directed to relieving any effects. Aspiration of the product is unlikely to occur except as the result of ingestion, followed by vomiting or regurgitation in a partially or totally unconscious individual, when immediate effects are most likely to result from the aspiration of acidic stomach contents. If it should occur, transport casualty immediately to hospital.

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## **5. FIRE FIGHTING MEASURES**

Use foam, dry powder or water fog. **DO NOT USE** water jets.

***FIRES IN CONFINED SPACES SHOULD BE DEALT WITH BY TRAINED PERSONNEL WEARING APPROVED BREATHING APPARATUS.***

Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over.

### **Combustion Products**

Toxic fumes may be evolved on burning or exposure to heat.

See Stability and Reactivity, Section 10 of this Safety Data Sheet.

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## **6. ACCIDENTAL RELEASE MEASURES**

Contain and recover spilled material using sand or other suitable inert absorbent material. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.

Spilled material may make surfaces slippery.

Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.

In the case of large spills contact the appropriate authorities.

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In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

## 7. HANDLING AND STORAGE

### Handling Precautions

Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate.

Avoid frequent or prolonged skin contact with fresh or used product.

Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact.

Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

The use of a recommended barrier cream on the hands before commencing work may be helpful in assisting subsequent removal of any product accidentally contaminating the skin. After washing the application of a suitable conditioning cream may help to prevent cracking, fissuring or dryness of the skin.

### Fire Prevention

Product soaked rags, paper or material used to absorb spillages, represent a fire hazard and should not be allowed to accumulate. Dispose of safely immediately after use.

### Storage Conditions

Keep out of reach of children.

Store under cover away from heat and sources of ignition.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

Ensure good ventilation.

Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use.

If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level. Worksafe Australia recommend an exposure standard of 5 mg/m<sup>3</sup> for oil mist for an 8 hour time weighted average (TWA).

### Protective Clothing

Wear face visor or goggles in circumstances where eye contact can accidentally occur. Change heavily contaminated clothing as soon as reasonably practicable and launder before re-use. Wash any contaminated underlying skin with soap and water. If skin contact is likely wear impervious protective clothing and/or gloves.

## Respiratory Protection

Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes is adequately controlled.

The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Typical Values

GRADES: ROTO-INJECTFLUID

	Test Method	Units	
Physical state			viscous liquid
Colour			dark red
Odour			oily
Density @ 15°C	ASTM D 1298	kg/l	0.883
Flash Point (PMC)	ASTM D 93	°C	206
Kinematic Viscosity @ 40°C	ASTM D 445	mm <sup>2</sup> /s	68.0
Kinematic Viscosity @ 100°C	ASTM D 445	mm <sup>2</sup> /s	8.81

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## 10. STABILITY AND REACTIVITY

### Conditions to Avoid

Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.

Hazardous polymerisation reactions will not occur.

This material is combustible.

### Materials to Avoid

Avoid contact with strong oxidising agents.

### Hazardous Decomposition Products

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

Incomplete combustion/thermal decomposition will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

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## 11. TOXICOLOGICAL INFORMATION

### Eyes

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

### Skin

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

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Unlikely to cause sensitisation by skin contact.

#### **Ingestion**

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

#### **Inhalation**

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility.

May cause irritation to eyes, nose and throat due to exposure to vapour, mists or fumes.

May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

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## **12. ECOLOGICAL INFORMATION**

#### **Mobility**

Spillages may penetrate the soil causing ground water contamination.

#### **Persistence and Degradability**

This product is inherently biodegradable.

#### **Bioaccumulative Potential**

There is no evidence to suggest bioaccumulation will occur.

#### **Aquatic Toxicity**

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

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## **13. DISPOSAL CONSIDERATIONS**

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

Where possible, arrange for product to be recycled.

Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil.

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## **14. TRANSPORTATION INFORMATION**

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Not classified as hazardous for transport (ADG, UN, IATA/ICAO).  
Classified as a combustible Liquid C2, AS1940-1993.

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## 15. REGULATORY INFORMATION

Not classified as a hazardous substance using the Worksafe Australia criteria.  
Not classified using the criteria in the Standard Uniform Schedule for Drugs and Poisons.

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## 16. OTHER INFORMATION

### Compiled by:

Atlas Copco Compressors Australia  
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3 Bessemer Street  
Blacktown NSW 2148

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