

# MATERIAL SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: **AF 350**

Product Code: AF 350

Use: **Automotive coolant**

Company: **ADVANCED AUTOLOGIC Pty Ltd.**,  
ACN 008 993 833

Address PO Box 205 Byford WA, 6122  
Telephone No: (08) 9526 2678  
Fax No: (08) 9526 2680  
Emergency No. (08) 9526 2678 (All Hours)

## SECTION 2: HAZARDS IDENTIFICATION

Hazardous according to criteria of WorkSafe Australia

Hazard Category: **Xn - Harmful**

### **Risk Phrases**

**R22** Harmful if swallowed

### **Safety Phrases**

**S2** Keep out of the reach of children

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### **Ingredients**

All products are formulated to be non-hazardous to health and environment, wherever possible. All hazardous sub-stances as defined by the NOHSC Code 1008 are listed by CAS No. Other major ingredients that are determined to be non-hazardous are listed without a CAS No.

<b>Chemical name</b>	<b>CAS No.</b>	<b>Proportion</b>
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Ethylene Glycol	107-21-1	>90% W/V
Proprietary Non-Hazardous Ingredients		<10%

## SECTION 4: FIRST AID MEASURES

**Swallowed:** Immediately rinse mouth with water. Give plenty of water. If swallowed and more than 15 minutes from a hospital, induce vomiting. If poisoning occurs, contact a doctor or Poisons Information Centre Phone 13 1126

**Eye:** Flush eyes with copious amounts of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Skin:** Remove all contaminated clothing and wash affected area with plenty of water

**Inhaled:**

and soap. If irritation occurs seek medical advice. Remove from further exposure-avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue) ensure airways are clear and have qualified persons give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

**First Aid Facilities:** Eyewash. Fresh water.

**Advice to Doctor:** Treat symptomatically as for ethylene glycol.

## SECTION 5: FIRE FIGHTING MEASURES

None required.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Scoop up excess product. Use absorbent materials. Minor residues may be washed away with water.

## SECTION 7: HANDLING AND STORAGE

Store away from heat, alkalis, foodstuffs and empty foodstuff receptacles and oxidising agents (such as chlorates, nitrates).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Adequate ventilation.

**Personal Protection:** Overalls, safety shoes, goggles, gloves, and respirator. Avoid repeated or prolonged skin contact and inhalation of vapour or aerosols. Wear overalls. Chemical goggles and impervious gloves. Available info suggests that gloves made from Neoprene, PVC or natural rubber should be suitable for intermittent contact. However, due to variations in glove constructions and local conditions, the user should make a final assessment. If inhalation risk exists wear organic vapour or combined organic vapour/particulate respirator meeting the requirements of AS 1715 and AS1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Flammability:** This product is non flammable.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Green Liquid.
<b>Boiling Point:</b>	197°C
<b>Vapour Pressure:</b>	None Allocated
<b>Specific Gravity:</b>	1.1
<b>Flashpoint:</b>	Non Flammable
<b>Flammability Limits:</b>	Not determined
<b>Solubility in Water:</b>	Soluble
<b>pH (1% solution)</b>	8.5

## **SECTION 10: STABILITY AND REACTIVITY**

Stable. Avoid contact with oxidizing agents

## **SECTION 11: TOXICOLOGICAL INFORMATION**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

### **ACUTE:**

**SWALLOWED:** Initial symptoms following a large dose (>100mL) are those of alcohol intoxication, progressing to vomiting, cyanosis, headache, pulmonary oedema, muscle tenderness, stupor, convulsions, and unconsciousness. Death may occur within a few hours from respiratory failure or within 24 hours from pulmonary oedema.

**EYE:** A mild irritant. Contamination of the eyes can cause transient conjunctivitis.

**SKIN:** Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to mild irritation. Can be absorbed through the skin but not readily absorbed in toxic amounts (symptoms may be similar to those described for SWALLOWED).

**INHALED:** Not an inhalation risk due to low vapour pressure at ambient temperatures. Inhalation of vapours (from heating) mists or aerosols can produce respiratory irritation. Headaches have also been reported. High concentrations may cause drowsiness and irregular eye movements.

**CHRONIC:** Animal studies have shown that long term repeated exposure to high doses of ethylene glycol in the diet causes kidney injury.

## **SECTION 12: ECOLOGICAL INFORMATION**

Do not dispose of used or unwanted product to environment. Recover product for recycling or disposal by approved disposal contractors

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Recycle unwanted product or dispose via a waste management contractor.

## **SECTION 14: TRANSPORT INFORMATION**

UN Number:	None Allocated
Dangerous Goods Class:	None allocated
Subsidiary Risk:	None Allocated
Hazchem Code:	None Allocated
Packaging Group:	None Allocated
E.P.G	None Allocated
Poisons Schedule:	S6

## **SECTION 15: REGULATORY INFORMATION**

This product is widely used by industry and is not subject to any special regulatory requirements.

## **SECTION 16: OTHER INFORMATION**

This MSDS is valid for five years from date of issue but readers should contact the manufacturer to ensure that this is the latest issue. As per the WorkSafe Guidance Note NOHSC 3017 (Health Risk Assessment) each user should review the information in the specific context of the intended application.

Date of Issue:	01/9/2019
Formula Code:	AF 350
Contact Point:	Emergency Co-ordinator Mr Michael Croonen (08) 9526 2678