

# SAFETY DATA SHEET

## AC-8 HYBRID COOLANT

Infosafe No.: 5GEEL

Issued Date: 01/11/2016

Issued by: Australian Chemical Services

### 1. IDENTIFICATION

**GHS Product Identifier**

AC-8 HYBRID COOLANT

**Product Code**

AC-8

**Company Name**

AUSTECH CHEMICALS PTY LTD (ABN 84 124 370 761)

**Address**45 Magnesium Street Narangba  
QLD 4504 Australia**Telephone/Fax Number**

Tel: 07 3204 8511

Fax: 07 3204 8522

**Emergency phone number**

07 3204 8511

**E-mail Address**

nicholas@auschem.com

**Recommended use of the chemical and restrictions on use**

Engine coolant

**Additional Information**

Colours available: Green, Red or Blue

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Toxicity - Oral: Category 4

STOT Repeated Exposure: Category 2

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

Harmful if swallowed.

May cause damage to organs (kidneys) through prolonged or repeated exposure.

**Pictogram (s)**

Exclamation mark, Health hazard

**Precautionary statement – Prevention**

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash contaminated skin thoroughly after handling

Do not eat, drink or smoke when using this product.

**Precautionary statement – Response**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Get medical advice/attention if you feel unwell.

Rinse mouth.

**Precautionary statement – Disposal**

Dispose of contents/container to an approved waste disposal facility.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

Name	CAS	Proportion
Monoethylene Glycol	107- 21- 1	60- 90 %
Ingredients determined to be non- hazardous at the formulation concentration		to 100%

### 4. FIRST-AID MEASURES

**First Aid Measures**

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764 766) or a doctor.

**Inhalation**

Remove victim from area of 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. Seek medical advice if symptoms persist.

**Ingestion**

Do NOT induce vomiting. Wash mouth out with water. Give water to drink. Seek medical advice.

**Skin**

If skin or hair contact occurs, remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation occurs seek medical assistance.

**Eye contact**

Hold eyelids open and irrigate continuously with water for 15 minutes. Seek medical advice.

**Advice to Doctor**

Treat symptomatically. Show this MSDS to the medical practitioner

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Combustible. Use water spray or fog, alcohol stable foam, dry chemical powder or carbon dioxide.

**Hazards from Combustion Products**

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches etc. Decomposes on heating and may produce toxic fumes.

**Specific Methods**

Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures**

Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Contain - prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.

**Spills & Disposal**

Slippery when spilt. Remove all ignition sources. Clean up spills immediately. Collect and seal in properly labelled containers for disposal. Contain spills with inert absorbent material (eg. sand, earth). Transfer liquids and used absorbant material to separate suitable containers for recovery or disposal.

**Personal Protection**

Gloves, chemical resistant boots and safety glasses/goggles are recommended. Breathing apparatus may be worn if ventilation is inadequate.

## 7. HANDLING AND STORAGE

---

### Precautions for Safe Handling

Avoid skin and eye contact and breathing in vapour. Do not allow clothing wet with material to stay in contact with skin. Use in a well ventilated area. Keep away from sources of ignition.

### Conditions for safe storage, including any incompatibilities

Combustible liquid. Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks or build up of pressure. Avoid reactions with oxidising agents, strong acids & strong alkalis.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Occupational exposure limit values

No value assigned for this specific material by Safe Work Australia.

### Appropriate Engineering Controls

Combustible liquid. Use in well ventilated areas. Keep containers closed when not in use.

### Personal Protective Equipment

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated and other protective equipment before storage or reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### Form

Liquid

### Appearance

Green, Red or Blue liquid

### Odour

slight

### Boiling Point

>100°C

### Solubility in Water

miscible

### Specific Gravity

1.10-1.12

### pH

8.0 - 9.7

### Flash Point

116°C (CC) - Ethylene Glycol

### Flammability

Combustible liquid

### Flammable Limits - Lower

3.2% (ethylene glycol vapour in air)

### Flammable Limits - Upper

12.8% (ethylene glycol vapour in air)

## 10. STABILITY AND REACTIVITY

---

### Chemical Stability

Product considered stable under normal conditions of use.

### Incompatible materials

Avoid contact with oxidising agents, strong acids and strong alkalis.

## 11. TOXICOLOGICAL INFORMATION

---

### Ingestion

Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.

### Inhalation

May cause respiratory tract irritation, drowsiness and dizziness.

### Skin

Contact with skin can result in irritation.

### Eye

May be an eye irritant.

### Chronic Effects

May cause damage to organs through prolonged or repeated exposure. Repeated or prolonged skin contact may cause dermatitis. The toxic effects of glycols are similar to those of alcohol, with depression of the central nervous system, nausea, vomiting, and degenerative changes in the liver and kidney.

## 12. ECOLOGICAL INFORMATION

---

### Ecotoxicity

Not considered hazardous for the environment based on currently available information.

## 13. DISPOSAL CONSIDERATIONS

---

### Disposal considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.

## 14. TRANSPORT INFORMATION

---

### Transport Information

Store away from oxidizing agents.

Store in a cool, dry place.

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### U.N. Number

None Allocated

### UN proper shipping name

None Allocated

### Transport hazard class(es)

None Allocated

## 15. REGULATORY INFORMATION

---

### Poisons Schedule

S6

### Australia (AICS)

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

---

### Date of preparation or last revision of SDS

October 2014

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Workplace exposure standards, Safe Work Australia.

Hazardous Sunstances/Chemicals Information System, Safe Work Australia.

Globally Harmonised System of classification and labelling of chemicals.  
Raw material suppliers' SDS

**Other Information**

Reason(s) for Issue: GHS review

Version: 3

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed.  
Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

---

**END OF SDS**

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

The compilation of SDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any SDS displayed is permitted for personal use only and otherwise is not permitted. In particular the SDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of SDS without the express written consent of Chemical Safety International Pty Ltd.