

Appendix 2 - Sample Material Safety Data Sheet

300202-85 MOBIL ANTI FREEZE / ANTI BOIL

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MATERIAL SAFETY DATA BULLETIN

PRODUCT NAME: MOBIL ANTI FREEZE / ANTI BOIL.
MANUFACTURER CODE: 300202.
CMCS CODE: 971108.
SUPPLIER: MOBIL OIL AUSTRALIA LIMITED A.C.N. 004 052 984.
417. ST. KILDA RD.
MELBOURNE 3004.
Telephone: (03) 9252 3111.
Fax: (03) 9866 9079.

After hours: National Emergency Response System 1-800-023-005

Product Information contact: Mobil Lube Line on 1-800-033-863

Contact Point: Mobil Lube Line on 1-800-033-863

Work safe Classification: Hazardous according to criteria of Work safe Australia.

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

GENERIC COMPOSITION: *ETHYLENE GLYCOL*

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

<u>Substance Name</u>	<u>Wt %</u>	<u>EU Classification</u>
ETHYLENE GLYCOL (107-21-1)	75-85	Xn; R22

Notes:

EC Symbol(s); Xn Harmful
See Section 15 for European Label Information.

SECTION 3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE:

Swallowing large amounts of Ethylene Glycol may result in nausea, vomiting, abdominal cramps and kidney damage and could result in respiratory or renal failure. The probable lethal dose of Ethylene Glycol for an adult is 100ml. Inhalation of high levels of vapours or mists for prolonged periods may also result in toxic effects.

Harmful effects or illness can result from swallowing this material.

SECTION 4.

FIRST AID MEASURES

EYE CONTACT:

Flush thoroughly with water. If irritation persists, call a doctor.

SKIN CONTACT:

Wash contact areas with water. Remove contaminated clothing.

Laundry contaminated clothing before re-use.

INHALATION:

Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, **seek immediate medical assistance**.

If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.

INGESTION:

Seek immediate medical attention.

If medical attention will be delayed, contact a Regional Poison Centre or emergency medical professional regarding the induction of vomiting or use of activated charcoal.

Do not induce vomiting or give anything by mouth to a groggy or unconscious person.

NOTE TO PHYSICIANS:

This product contains ethylene and/or diethyl glycol which, if ingested, is metabolized to toxic metabolites by the enzyme alcohol dehydrogenase, for which ethanol and 4-methylpyrazole is antagonists.

Administration of oral or intravenous ethanol or intravenous 4-methylpyrazole may arrest further metabolism of this material and thereby ameliorate the toxicity.

Use of ethanol or 4-methylpyrazole does not affect toxic metabolites that are already present and is not a substitute for haemodialysis.

SECTION 5.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: *Foam, dry chemical, CO₂ and Water fog.*

SPECIAL FIRE FIGHTING PROCEDURES:

- Use water to cool fire-exposed containers.
- If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak.
- Water spray may be used to flush spills away from exposures.
- Prevent runoff from fire control or dilution from entering waterways, sewers or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT:

For fires in enclosed areas, fire-fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

- **Flash Point Celsius (Fahrenheit) :-** 123 (253) (IP 36 / ASTM D-92).
- **Flammable limits :-** -LEL 3.2%, UEL 15.3%.
- **NFPA HAZARD ID :-** Health: 1, Flammability: 1, Reactivity: 0
- **HAZARDOUS DECOMPOSITION PRODUCTS :-** Carbon monoxide.

SECTION 6.

ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES:

Report spills as required to appropriate authorities such as the local **Environmental Health Officer** or **Fire Brigade**.

If spills are likely to enter any drain, waterway or groundwater, contact the **Area Water Authority**.

In case of accident or road spill, contact the **Police** and **Fire Brigade** and if appropriate, the **Area Water Authority**.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED

Contain and adsorb on suitable chemical absorbent material, etc.
Scrape up and remove.

Dispose of at an appropriate **licensed waste disposal site** in accordance with current applicable laws and regulations and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS:

Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS:

See Section 8

SECTION 7.

HANDLING AND STORAGE

HANDLING:

Avoid prolonged, repeated skin contact and breathing vapours or mists. Avoid ingestion.

STORAGE:

Do not store in open or unlabelled containers.

Store away from strong oxidizing agents or combustible material.

See Section 15 for Regulatory information when storing this product.

SECTION 8.

EXPOSURE CONTROLS

PERSONAL PROTECTION EQUIPEMENT:

- **Skin protection:**> gloves
- **Eye protection:** > safety glasses
- **Inhalation:** > Respirator