

Material Safety Data Sheet

This substance is not classified as hazardous according to the criteria of NOHSC Australia.

MPG INHIBITOR Concentrate

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	USP Mono Propylene Glycol with Inhibitor
Product Code	
Product Use	Coolant Inhibitor
Company Name	Terra Fortuna Ventures Pty Ltd (t/a Extol Lubricants)
Address	Level 3, 2 Barndon Park Drive, Wheelers Hill VIC 3150
Telephone	(03) 9566 7240
Fax	(03) 9566 7299
Other Names	
Other Information	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Chemical entity	CAS number	Proportion
	Glycol	57-55-6	>95
	Sodium nitrate	7632-00-0	<1

3. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCES CLASSIFICATION: Not classified as hazardous to health according to the criteria of the National Occupational Health and Safety Commission, Australia

4. FIRST AID MEASURES

Eye Contact	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open for at least 15 minutes. Obtain medical attention if irritation continues.
Skin Contact	Wash skin with soap and water as soon as reasonably practicable. Remove contaminated clothing. Seek medical attention.
Ingestion	If a significant quantity has been swallowed, do not induce vomiting. Seek medical attention
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.
	As with any chemical, exposure by ingestion, inhalation or contact with eyes or skin should be avoided by correct occupational practices.
Advice to Doctor	Treatment should in general be symptomatic and directed to relieving any effects. No specific antidote

5. FIRE FIGHTING MEASURES

Flash Point	Non flammable
Extinguishing media	Choice of extinguishing media should be made by what other materials are present.
Fire and explosion Hazard	Combustible – oxides of carbon may be evolved after evaporation of all the water.
Special protective	In case of fire, wear a full face self-contained breathing apparatus and protective suit

6 ACCIDENTAL RELEASE MEASURES.

Personal Precautions	Restrict access to area affected until clean-up is completed. Use personal protective equipment as detailed in section 8. Do not touch spilled material. Emergency equipment should be available. Notify appropriate authorities. Do not contaminate surface waters – depletion of oxygen in the water will occur.
Environmental Precautions	Soak up spilled material using sand or other suitable inert absorbent material. Place residues in a suitably marked sealed container.
Clean up methods	Protect drains from potential spills to minimise contamination. In the case of large spills contact the appropriate authorities.

7. HANDLING AND STORAGE

Handling	Use with adequate ventilation. 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. Wear PVC or similar gloves.
Storage	Store only in original or approved containers. Store away from direct sunlight or ultraviolet light.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

<u>Occupational Exposure Limits</u>	<u>Exposure Limits</u>
Ingredient name:	TWA mg/m ³
Propylene glycol (vapour)	WEEL 10
Propylene glycol Particulate	AU OEL 10
Propylene glycol Total vapour &	AU OEL 474

Engineering measures	Local exhaust ventilation should be provided
Personal Protection	
Eyes	Use chemical splash goggles.
Skin	Wear standard protective clothing.
Hands	Wear any impervious gloves.
Respiratory	Respiratory protection is not generally needed. If ventilation is inadequate, use respirator that will protect against dusts and mists. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour	No
Boiling Point	N/A,
pH Value	8.0 - 8.5
Vapour Pressure	N/A
Physical State	Liquid
Colour	Green/Blue
Specific Gravity	1.040 – 1.060

10. STABILITY AND REACTIVITY

Hazardous Polymerisation	Hazardous polymerisation reactions will not occur.
Materials to Avoid	Strong oxidizers and strong acids
Hazardous Decomposition Products	Oxides of carbon
Conditions to Avoid	Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. This material is combustible after evaporation of the aqueous component.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA

The following results are for [Propylene Glycol](#)

Acute Oral Toxicity	LD50 (Rat) > 20,000 mg/kg
Acute Dermal Toxicity	LD50 (Rabbit) > 2,000 mg/kg
Acute Inhalation Toxicity	(Rabbit) 317.042 mg/l

SENSITIZATION

This product is not expected to be a sensitizer

CHRONIC TOXICITY

Very low toxicity if swallowed

CARCINOGENICITY

This product does not contain any substances that are listed as carcinogens.

ACUTE TOXICITY DATA

The following results are for [Sodium nitrate](#)

Acute Oral Toxicity	LD50 (Rat) > 20,000 mg/kg
Acute Inhalation Toxicity	LC(Rat) 180 mg/kg

SENSITIZATION

This product is not expected to be a sensitizer

CHRONIC TOXICITY

Very low toxicity if swallowed

CARCINOGENICITY

This product does not contain any substances that are listed as carcinogens.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Material is not classified as dangerous to aquatic organisms (LC50/EC50/1C50/LL50/EL50 greater than 100mg/L in most sensitive species).
Persistence & degradability	Propylene glycol is classified as "readily" biodegradable according to the guidelines of the OECD.
Bioaccumulation	Bioconcentration potential is low (BCF <100 or Log Pow >3)

13. DISPOSAL CONSIDERATIONS

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.
Dispose of product and container carefully and responsibly.
Do not dispose of near ponds, ditches, down drains or onto soil.

14. TRANSPORT INFORMATION

U.N. Number	Not classified as a dangerous good according to the criteria of the ADG Code
Proper Shipping Name	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated

15. REGULATORY INFORMATION

European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are not on the EINECS inventory or are exempt from inventory requirements.

Australia Industrial Chemical (Notification and Assessment) Act

The principal components and additives of this product are included in the Australian Inventory of Chemical Substances (AICS) or comply with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989.

16. OTHER INFORMATION

IMPORTANT ADVICE: This MSDS summarizes 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 should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Terra Fortuna Ventures Pty Ltd. 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.

End of MSDS