

SAFETY DATA SHEET

Section 1 - Identification of Chemical Product and Company

Hammersley Products (Aust) Pty Ltd ACN 001 621 281

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Trade Name:	HIBITRON
Product Use:	Corrosion inhibitor and anti-freeze for internal combustion engine cooling systems.
Revision Date:	March 2024
Expiry date:	March 2029

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as a HAZARDOUS SUBSTANCE in accordance with the GHS. It is classified as a NON-DANGEROUS GOOD by the ADG code.

Classification of the substance or mixture:

Acute Toxicity – Category 4

Signal Word: Warning



Hazard Statements:

H302 Harmful if swallowed

Precautionary Statements:

Prevention

P102 Keep out of reach of children

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product.

Response

P301 + P330 + P312 IF SWALLOWED: Rinse mouth. Call a Poison Centre or doctor if you feel unwell

Storage

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Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SUSDP Classification: Schedule 6 (Poison)

ADG Classification: Not Applicable

UN Number: Not Applicable

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Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%
Ethylene Glycol	107-21-1	>60 %
Inorganic salts and corrosion inhibitors	Not available	<10%
Mercaptobenzothiazole	Not available	<10%
Other ingredients deemed not to be hazardous	Not applicable	To 100%

Section 4 - First Aid Measures

Eye Contact	Hold eyelids apart and flush the eye continuously with running water. If irritation occurs seek medical advice.
Skin Contact	Remove contaminated clothing and wash skin thoroughly with water. If irritation occurs seek medical advice.
Inhalation	Remove patient to fresh air avoid becoming a casualty. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
If Swallowed	Do NOT induce vomiting. Rinse mouth with water and give water to drink. Seek medical attention. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
Advice to Doctor	Treat symptomatically. Ethylene glycol can cause central nervous system depression and metabolic acidosis. Consider removal by gastric lavage. Blockade of the diacid / dyhydroxy acid may follow competitive inhibition of alcohol dehydrogenase with ethanol or 4-methyl pyrazole. Consider maintenance of a plasma ethanol level of 100mg/dL to 150mg/dL.
Additional Information	-

Section 5 - Fire Fighting Measures

Combustible liquid.

Suitable Extinguishing Equipment

If involved in a fire, appropriate extinguishing media include fine water spray, dry extinguishing media, foam and carbon dioxide

Special Protective Equipment and Precautions for Fire Fighters

When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.

Specific hazards arising from the chemical:

Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be emitted.

Hazchem Code: Not Applicable

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. May be slippery when spilled.

Methods and Materials for containment and cleaning up

Contain spill with absorbent material, such as sand, vermiculite or other inert material. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Environmental precautions

Prevent spill entering sewers or waterways.

Section 7 - Handling and Storage

Precautions for Safe Handling

Avoid skin and eye contact and avoid breathing in vapour, mists or aerosols. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

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Conditions for Safe Storage

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Store away from incompatible materials listed in section 10 including oxidizing agents, acids, combustible materials and sources of ignition. Protect from direct sunlight.
Store in original packaging as approved by manufacturer.

Section 8 - Exposure Controls and Personal Protection

No exposure limits available for this material, however values available for constituents;

ASCC Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)	
Ethylene Glycol (vapour)	52	104	(SKIN)
Ethylene Glycol (particulate)	10	-	(SKIN)

Note - A "skin" notation following the exposure guideline refers to the potential for dermal adsorption of the material including mucous membranes and the eyes either by contact with vapours or direct skin contact. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimise dermal exposure should be considered.

Gloves and safety glasses are recommended to avoid skin and eye contact. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: Use in a well-ventilated area. This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels.

Personal Protective Equipment

RESPIRATOR: Wear an approved respirator where vapours are generated and engineering controls are inadequate.
EYES: Safety glasses or splash goggles to prevent splashing in the eyes.
HANDS: Wear chemical resistant gloves.
CLOTHING: Chemical resistant coveralls and safety footwear.

Section 9 - Physical and Chemical Properties:

Physical Description:	Yellow/green liquid	Water Solubility:	Miscible
Odour:	Characterisitic	pH:	9 to 10
Boiling Point:	No data	Flash Pt.	No data
Freezing/Melting Point:	No data	Volatility:	No data
Volatiles:	No data	Odour Threshold:	No data
Vapour Pressure:	No data.	Evaporation Rate:	No data
Vapour Density:	No data	Coeff Oil/water Distribution:	No data
Specific Gravity:	~1.13	Autoignition temp:	No data

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose
Chemical Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Avoid exposure to heat, sources of ignition and open flames. Avoid contact with incompatible materials. Avoid exposure to light. Avoid contact with foodstuffs.
Incompatible Materials: Strong oxidising agents, acids, alkalis, combustible materials and sources of ignition.
Hazardous Decomposition Products: Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be released on thermal decomposition.
Hazardous Reactions: This product will not undergo polymerisation reactions.

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Section 11 - Toxicological Information

No adverse health effects expected if this product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may occur if the product is mishandled or over exposure occurs are:

Swallowed	Initial symptoms following a large dose (>100ml) are those of alcohol intoxication progressing to vomiting, headache, stupor, convulsions and unconsciousness. Respiratory system involvement may occur 12-24 hours after ingestion. Symptoms may include hyperventilation and rapid shallow breathing. Death may occur from respiratory failure or pulmonary oedema.
Eye	May be mildly irritating to eyes and result in redness, stinging and excessive tearing.
Skin	May cause mild irritation to the skin that may result in redness, itching or swelling. Will have a degreasing action on the skin.
Inhaled	Breathing in mists or aerosols can cause headaches, dizziness, drowsiness and possible nausea.

Chronic Effects

No Data Available

Acute Toxicity

No data available for this product. Data for the constituent/s;
ETHYLENE GLYCOL
Oral LD50(rat): 4700mg/kg

Section 12 - Ecological Information

Avoid contaminating waterways.

Ecotoxicity

No data

Persistence/degradability

No data

Section 13 - Disposal Considerations

Disposal method

Refer to State/Territory Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before recycling or disposing to an authorised landfill.

Special precautions

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Section 14 - Transport Information

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code)

UN Number:	Not applicable
UN Proper Shipping Name:	Not applicable
Class and subsidiary risk:	Not applicable
Packing Group:	Not applicable
Special precautions for user:	Not applicable
Hazchem Code:	Not applicable

Section 15 - Regulatory Information

Poisons Schedule (SUSMP): Schedule 6 (Poison)

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16 - Other Information

Date of Preparation: March 2024

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This SDS contains only safety-related information. For other data see product literature. Please read all labels carefully before using product.

THIS SDS SUMMARISES 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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. 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.

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