

INHIBITOR F96

MATERIAL SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	INHIBITOR F96	53 ASSEMBLY DRIVE
Manufacturers Code:	INH500, INH1, INH5, INH20, INH205	TULLAMARINE VIC 3043
Date:	October 2010	ABN: 40 959 725 049 (03) 9338 6655 (BH) (03) 9336 7945 (AH)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: INHIBITOR F96
Company Name: QUICK SMART PRODUCTS
Address: 53 Assembly Drive
Tullamarine Vic 3043
Telephone/Fax: (03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598
Recommended Use: Automotive Engine Cooling System Treatment

2. HAZARDS IDENTIFICATION

Statement of Hazardous/Dangerous Nature: HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS
Classified as Hazardous according to the criteria of NOHSC Australia.
Dangerous Goods classification according to the ADG Code.

Risk Phases: R22 Harmful if swallowed
R36/38 Irritating to eyes and skin

Safety Phrases: S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S2 Keep out of reach of children
S44 If you feel unwell contact a Doctor or Poisons Information Centre immediately

Hazard Symbols: Xi Irritant
Xn Harmful

Poisons Schedule: S5

UN No: Non Allocated

Hazchem Code: Non Allocated

Dangerous Goods Class & Subsidiary Risk: Non Allocated

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	Name	Proportion	CAS	UN No
	Corrosion Inhibitors	High	Proprietary	-
	Water	High	7732-18-5	-
	Triethanolamine	Med	102-71-6	-

Proportion (% weight per weight)
VHigh >60, High 30 – 60, Med 10 – 29, Low 1 – 9, VLow <1

4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

Inhalation: Remove the source of contamination and move the affected person to fresh air. Allow patient to assume most comfortable position, keep warm and arrange for patient to be seen by a doctor as soon as possible. If the victim is not breathing, apply artificial resuscitation. In serious cases of over-exposure, seek immediate medical attention.

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Ingestion:	Contact a Doctor or Poisons Information Centre. DO NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person. If breathing is shallow or stopped, ensure airway is clear and apply artificial resuscitation. Seek immediate medical attention.
Eye:	Hold eyelid open and flush with copious amounts of water for at least 15 minutes or until all contaminants are washed out completely. In all cases of eye contamination seek medical advice.
Skin:	Immediately remove all contaminated clothing and footwear and wash affected areas thoroughly with copious amounts of soap and water. Launder contaminated clothing before re-use. If irritation develops seek medical attention.
First Aid Facilities:	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire Fighting Measures:	Decomposes on heating emitting toxic fumes including those of oxides of nitrogen.
Suitable Extinguishing Media:	Water fog, (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
Protective Equipment for Fire Fighters:	Fire Fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing if risk of exposure to products of decomposition.
Specific Methods:	This product is not flammable under the conditions of storage and use and does not support combustion.
Specific Hazards:	Decomposes on heating emitting toxic fumes including those of oxides of nitrogen. Store away from sources of heat, acids and oxidising agents.

6. ACCIDENTAL RELEASE MEASURES:

Spills:	Spillages are slippery. Avoid accidents, clean up immediately. Personnel involved in cleaning up any spills are to wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain and collect using an absorbent material (sand or soil, inert material, vermiculite). Prevent run off into drains and waterways. Collect and seal in properly labelled containers for disposal. Rinse the area clean with detergent and water.
Disposal:	Dispose of in accordance to Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

7. HANDLING AND STORAGE

Not regulated for the purpose of storage and handling, in accordance with the requirements of AS1940. Refer to State Regulations for storage and transport requirements.

Handling:	Repeated or prolonged exposure to the material without personal protection should be avoided in order to lessen the possibility of disorders. Maintain good standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using the toilet facilities. Keep container closed when not in use.
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Storage: This material is classified as a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations. Store in a clean, dry place out of direct sunlight. Store away from acids, oxidising agents and foodstuffs. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However Exposure Standard for Triethanolamine:

	TWA		STEL		NOTICE
	ppm	mg/m ³	ppm	mg/m ³	Sen
Triethanolamine	-	5	-	-	

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. Notice – Sen = Sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

Personal Protective Equipment: Overalls, Safety Shoes, Goggles, Gloves, Respirator. Avoid skin and eye contact. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS1715 and AS1716.

Engineering Controls: Use with local exhaust ventilation or while wearing organic vapour respirator. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green liquid
Odour:	Mild odour
pH:	8.7 for diluted products at 3% vol
Ignition Temp °C:	Not Applicable
Flash Point °C:	Not Applicable
Flammable Limits % (Lower-Upper):	Not Applicable
Boiling Point/Range:	Not Determined
Melting Point/Range:	Not Determined
Pour Point:	Not Determined
Relative Density @ °C:	1.5 @ 20.0
Vapour Pressure kPa:	Not Determined
Viscosity:	Not Determined
% VOC:	Nil
Vapour Density (Air=1):	Not Determined

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Solubility in Water: Complete
Other: Not Evaluated
Viscosity @ 20C 25cP

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.
Conditions to Avoid: Avoid sources of ignition, heat, direct sunlight.
Materials to Avoid: Acids and oxidising agents.
Hazardous Decomposition Products: Products evolved when subjected to heat or combustion: oxides of carbon, nitrogen and sulphur.
Hazardous Polymerisations: Do not occur.
Hazardous Reaction: Decomposes on heating emitting toxic fumes including those of oxides of nitrogen. Store away from sources of heat, acids and oxidising agents.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: No LD50 data available for product.
However for Triethanolamine:
Acute Oral LD50 (rat): 4190mg/kg to 11260mg/kg
Triethanolamine is present as a medium level component (approx 18% v/v).

Health Comments: Repeated over exposure may cause damage to kidneys and liver. Skin contact may aggravate existing dermatitis. Skin contact may cause sensitisation and an allergic skin reaction in a small number of individuals.

Acute Effects:

Inhalation: Not normally a hazard due to non-volatile nature of product but vapour or mist from heated product may cause irritation of the respiratory tract with chest pain and coughing.

Ingestion: May cause burning or painful sensations in the mouth, throat, chest and abdomen and nausea, vomiting, diarrhoea and abdominal pain.

Skin: The liquid is irritating to the skin and is capable of causing skin reactions which may lead to dermatitis for repeated exposures over long period.

Eye: Highly irritating to the eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data is available for this product.
For Triethanolamine:
Toxicity to Fish: 25 Hr LD50 (goldfish) > 5000mg/L
24 Hr EC50 (daphnia magna) 1390mg/L
Low toxicity to aquatic organisms

Persistence / Degradability: Not Determined.

Mobility: Not Determined.

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Bioaccumulative Potential: Not Determined.

Environmental Protection: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: Product should be placed in sealed, properly labelled containers for disposal. Dispose of waste according to Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Transport Information: Not defined as a Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code). Refer to relevant regulations for storage and transport requirements.

15. REGULATORY INFORMATION

Poisons Schedule: S5 – This material is a Scheduled Poison and must be stored, maintained and used in accordance with the relevant regulations.

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

16. OTHER INFORMATION

Contact Person/Point: Technical Information: (03) 9338 6655

Date of Preparation or last revision of MSDS: MSDS reviewed: 27 October 2010

This MSDS 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 MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS