

INHIBITOR F96

MATERIAL SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	CORROSION INHIBITOR – F96	53 ASSEMBLY DRIVE
Manufacturers Code:	INH500 INH1 INH5 INH20 INH205	TULLAMARINE VIC 3043
Date:	APRIL 1, 2006	(03) 9338 6655 (BH) (03) 9336 7945 (AH)

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

COMPOSITION & INFORMATION IN INGREDIENTS:

CORROSION INHIBITORS		Proprietary	HIGH
WATER		7732-18-5	HIGH
TRIETHANOLAMINE		102-71-6	MED
Xn R22 Harmful if swallowed			
PROPORTION (% weight per weight)			
V HIGH > 60, HIGH 30 – 60, MED 10 – 29, LOW 1 – 9, V LOW <1			
UN NUMBER		NONE ALLOCATED	
DANGEROUS GOODS CLASS & SUBSIDIARY RISK:		NONE ALLOCATED	
HAZCHEM CODE:		NONE ALLOCATED	
POISONS SCHEDULE NUMBER:		5	
USE:		Automotive engine cooling system treatment	

PHYSICAL DESCRIPTION/PROPERTIES:

Appearance:	Green Liquid
Odour:	Mild odour
pH:	8.7 for diluted products at 3% vol
Ignition Temperature degrees C:	Not applicable
Flash Point degrees C:	Not applicable
Flammable Limits % (Lower-Upper):	Not applicable
Boiling Point/Boiling Range degrees C:	Not determined
Melting Point/Melting Range degrees C:	Not determined
Pour Point degrees C:	Not determined
Relative Density at degrees C:	1.15 at 20.0
Vapour Pressure kPa:	Not determined
Viscosity:	Not determined
Percent VOC:	Nil
Vapour Density (Air = 1):	Not determined
Solubility in Water:	Complete
Other:	Not evaluated

STABILITY AND REACTIVITY:

This Material reacts violently with:					
Air	Water	Heat	Strong Oxidisers	Others	None of These
			X	X	
Comments:			Avoid contact with strong acids and oxidising agents.		
Products evolved when subjected to heat or combustion:			Oxides of carbon, nitrogen and sulphur		
Hazardous Polymerisations:			DO NOT OCCUR		

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HEALTH HAZARD INFORMATION:

Hazard Symbols	Xi Irritant Xn Harmful
Risk Phrases	R36/38 Irritating to eyes & skin R22 Harmful if swallowed
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.

ACUTE HEALTH EFFECTS:

SKIN:	The liquid is irritating to the skin and is capable of causing skin reactions which may lead to dermatitis from repeated exposures over long period.
EYES:	Highly irritating to the eyes.
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.

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 proportion of individuals.

FIRST AID MEASURES:

SKIN:	Immediately remove all contaminated clothing and footwear and wash affected areas thoroughly with plenty of soap and water. If irritation occurs seek medical advice.
EYES:	Irrigate with copious quantities of water for 15 minutes. Ensure irrigation under the eyelids by occasionally lifting upper and lower lids. In all cases of eye contamination seek medical advice.
INHALATION:	Remove to fresh air. Lay patient down and keep warm and arrange for patient to be seen by a doctor as soon as possible.
INGESTION:	Contact a doctor or Poisons Information Centre. DO NOT induce vomiting. Give a glass of water. If breathing is shallow or stopped, ensure clear airway and apply resuscitation.

ADVICE TO DOCTOR:

Treat symptomatically.	
TOXICOLOGICAL INFORMATION:	No LD50 data available for product.
COMPONENT TOXICITY DATA:	Triethanolamine
	Acute oral LD50 (rat) = 4190mg/kg to 11260 mg/kg Triethanolamine is present as a medium level component (approx 18% v/v)

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PRECAUTIONS FOR USE:

EXPOSURE STANDARDS:				
For Triethanolamine				
TWA		STEL		NOTICES
PPM	MG/M3	PPM	MG/M3	SEN
-	5	-	-	

As published by the National Occupational Health and Safety Commission (Worksafe Australia).

Exposure Standard (TWA) is the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight- hour work day.

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. These 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. "Sen" notice - 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.

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.

PERSONAL PROTECTION:

O/ALLS, 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. Available information suggests that gloves made from nitrile (NBR), neoprene (supported or unsupported) or polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, a final assessment should be made by the user. Always wash hands before smoking, eating, drinking or using the toilet.

FLAMMABILITY - PRODUCT IS NOT COMBUSTIBLE.

SAFE HANDLING INFORMATION:

STORAGE AND TRANSPORT:

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.

Not defined as a Dangerous Goods by the Australian Code for the Transport of Dangerous goods by Road and Rail. This material is a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations. Store in a cool place and out of direct sunlight. Store away from acids, oxidising agents and foodstuffs.

SPILLS:

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Contain using sand or soil – prevent run off into drains and waterways. Use absorbent (soil or sand, inert material, vermiculite). Collect and seal in properly labelled drums for disposal. Wash area down with detergent and excess water.

DISPOSAL:	Refer to State Land Waste Management Authority
ECOLOGICAL INFORMATION:	
MOBILITY:	NOT DETERMINED
PERSISTENCE & BIODEGRADABILITY:	NOT DETERMINED
POTENTIAL TO BIOACCUMULATE:	NOT DETERMINED

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SAFE HANDLING INFORMATION cont'd

AQUATIC TOXICITY AND OTHER DATA RELATING TO ECOTOXICITY:	NOT DETERMINED
FOR TRIETHANOLAMINE:	
TOXICITY TO FISH:	24 HR LD50 (goldfish) > 5000 mg/L 24 HR EC50 (daphnia magna) 1390 mg/L Low toxicity to aquatic organisms
FIRE EXPLOSION HAZARDS:	
Decomposes on heating emitting toxic fumes including those of oxides of nitrogen. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.	
EXTINGUISHING MEDIA:	
Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).	

OTHER INFORMATION:

CONTACT POINT: QUICK SMART PRODUCTS PTY LTD PH: (03) 9338 6655

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace. However, the Company makes no warranty or representation, express or implied, as to the accuracy of completeness of such information. Since Quick Smart Products cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

The provision of the Material Safety Data Sheet is not intended, of itself, to obviate the need for all users to satisfy themselves that the product described is suitable for their individual purposes and that the safety precautions and environmental advice are adequate for their individual purposes and situation. Further, it is the users obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. The Company accepts no responsibility for any injury, loss or damage, consequent upon any failure to follow the safety and other recommendations contained in this Material Safety Data sheet, nor from any hazards inherent in the nature of the material, not from any abnormal use of the material.