

Material Safety Data Sheet

Firex Distribution (Australia) Pty Ltd
3/11 Packard Avenue
Castle Hill NSW 2154
Phone: (02) 9680 8811

Product Name: **SEAGUARD INHIBITOR**

Issue Date: 16TH August 2007

Classified as Hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name: Seaguard Inhibitor
Product Use: Powdered corrosion inhibitor for fire extinguisher interiors
Company Name: SEAGUARD CHEMICALS
Address: 9 Waldheim Road, Bayswater, VIC. Australia. 3153
Emergency Tel: 03 9720 8779
Telephone Number / Fax: Tel: 03 9720 8779 Fax: 03 9738 0132

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information on Composition Product based on water soluble salts

Ingredients:	Name	CAS	Proportion
	Sodium tetraborate decahydrate	303-96-4	15-30%
	Sodium Nitrite	7632-00-0	15-30%
	Sodium Nitrate	7631-99-4	15-30%

3. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of NOHSC and not classified as dangerous good according to the ADG code.

Risk phrases: R8 Contact with combustible material may cause fire.
R25 Toxic if swallowed
R36/38 Irritating to eyes
R 50 Very toxic to aquatic organisms

Safety phrases: S2 Keep out of reach of children.
S25 Avoid contact with eyes
S61 Avoid release to the environment. Refer to special instructions / safety data sheets

Hazard Category S5

Symptoms & Effects: Skin, eye and respiratory irritant. Transient for incidental contact.

Other Hazard Information: Nil

4. FIRST AID MEASURES

Inhalation:	Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.
Ingestion:	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce Vomiting. Seek medical Advice. Never give anything by mouth to an unconscious person.
Eye:	Remove contact lenses. Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek medical advice
Skin:	Wash affected areas with water.
First Aid Facilities:	Normal washroom facilities.
Advice to Doctor:	Treat Symptomatically

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use extinguishing media suitable for surrounding fire situation.
Specific Hazards:	Contact with combustible materials may lead to fire.
Precautions in Connection with Fire:	Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal:	Contain and collect using sweeping up. Small spills may be flushed to sewer. Dispose of to approved landfill.
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7. HANDLING AND STORAGE

Handling:	Repeated or prolonged exposure to the powder without personal protection should be avoided in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain good standards of personal hygiene i.e. washing hands prior to eating, drinking or going to the toilet. Keep container closed and bung in place.
Storage:	Store in designated area for oxidizing agents. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits:	No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However as with all chemicals, exposure to concentrate should be kept to the least possible levels.
Respiratory Protection:	Not necessary
Eye Protection:	Safety glasses
Hand Protection:	Plastic or rubber gloves recommended.
Body Protection:	N/A
Eng. Controls:	N/A
Other information:	No Biological Limit Value allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline powder
Odour:	Nil
Boiling Point:	Not applicable
Solubility in Water:	Completely Soluble
Specific Gravity: (H₂O = 1)	Not applicable
Physical State :	Powder
PH:	10.5, -1% w/v solution
Flash Point:	Non Flammable
Flammability:	Non Flammable
Flammability Limits LEL:	Non Flammable
Flammability Limits UEL:	Non Flammable

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling
Hazardous Polymerization:	Will not occur.
Materials to Avoid:	Strong oxidizing agents, strong acids, flammable or combustible materials.
Hazardous:	None known
Decomposition Products:	None known
Hazardous Reaction:	Contact with combustible materials may lead to fire.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:	May act as a carcinogen for chronic exposure
Inhalation:	Ingredients are considered non hazardous when used as directed
Ingestion:	Not a likely source of exposure, however, moderate quantities of concentrate may cause irritation to mouth throat and gastro-intestinal tract. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
Skin:	May cause skin irritation prolonged contact with the concentrate, which can result in redness, itchiness, swelling and possibly lead to dermatitis. Continual exposure to dilute solutions will cause loss of natural skin oils, and drying of skin.
Eye:	The concentrate is considered a severe eye irritant. May cause eye soreness.
Chronic Effects:	Possible carcinogenic effects.

12. ECOLOGICAL INFORMATION

Environ, Protection:	Harmful to aquatic life in diluted form. Not harmful to birdlife.
Mobility:	No data is available for this product.
Persistence / Degradability	Boron compounds can be accumulated and become persistent in soil.
Degradability:	Fully biodegradable
Bioaccumulation:	No data is available for this product.
Ecotoxicity:	No data is available for this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal E.P.A., state and local regulation. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

U.N Number:	1479
Proper Shipping Name:	Oxidizing solids N.O.S.
DG Class:	5.1
Hazchem Code:	2X
Packing Group:	III
EPG Number:	None allocated
IERG Number:	None allocated

15. REGULATORY INFORMATION

Safety Phrase:	S2 Keep out of reach of children S25 Avoid contact with eyes S61 Avoid release to the environment. Refer to special instructions / safety data sheets.
Poisons Schedule:	S5
AICS (Australia):	All ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

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.

Contact Person / Point:	Manager – Seaguard Fire Protection Pty Ltd. Tel 03 9720 8779, Fax: 03 9738 0132
SDS History	MSDS Creation: 16 th August 2007.

End MSDS.