

## Material Safety Data Sheet: FlameSAFE Inhibitor

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**Product Name:**

FlameSAFE Inhibitor

**Product Use:**

The intended or recommended use is as a corrosion inhibitor for the interior of stainless steel fire extinguishers.

**Manufacturer/Supplier:**

AMPAC Safety Pty Ltd  
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Ph: +619 9200 2100  
Emergency Ph: +61408022433

### 2. HAZARDS IDENTIFICATIONS

Classified as hazardous according to the criteria of NOHSC and classified as a 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.  
R50 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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Composition** Product based on water soluble salts

**Ingredients**

Name	CAS	Proportion
Sodium tetraborate decahydrate	1303-96-4	15-30%
Sodium Nitrite	7632-00-0	15-30%
Sodium Nitrate	7631-99-4	15-30%



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### 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 attention. Never give anything by mouth to an unconscious person.

**Eye Contact:**

Remove contact lenses. Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

**Skin Contact:**

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.

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### Specific Hazards:

Contact with combustible materials may lead to fire.

### Precautions in connection with Fire:

Fire fighters 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 by sweeping up. Small spills may be flushed to sewer. Dispose of to approved landfill.

## 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 ie. 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:** Not Applicable

**Eng. Controls:** Not Applicable

### 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:** Not Applicable  
(H<sub>2</sub>O = 1)

**Physical State:** Powder

**pH:** 10.5, - 1% w/v solution

**Flash Point:** Non flammable

**Flammability:** Non flammable

**Flammable Limits LEL:** Non flammable

**Flammable Limits UEL:** Non flammable

## 10. STABILITY / REACTIVITY

### Stability:

Stable under normal conditions of storage and handling.

### Hazardous:

Will not occur.

### Polymerization

### Materials to Avoid:

Strong oxidizing agents, strong acids, Flammable or combustible materials.

### Hazardous:

None known.

### Decomposition

**Products:** None known.

### Hazardous Reaction:

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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. 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 bird life.

#### Mobility:

No data is available for this product.

#### Persistence:

Boron compounds can accumulate 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 regulations. Assure conformity with all applicable regulations.

### 14. TRANSPORT INFORMATION

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

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Document Issue Date: 30th October 2013

End MSDS

