

## 1. PRODUCT INFORMATION

<b>PRODUCT NAME</b>	Cafco MANDOLITE® 550
<b>MARKETED AND MANUFACTURED BY</b>	Promat International (Asia Pacific) Ltd.
<b>INTENDED USES</b>	Spray applied, factory controlled premix powder for fire protection applications particularly in jet fires on offshore and withstanding the thermal shocks experienced in a high intensity hydrocarbon fuelled fire.

## 2. COMPOSITION

HAZARDOUS INGREDIENTS	Conc.	CAS	EEC	Symbols/Risk phrases
Portland cement	30-60%	65997-15-1	266-043-4	Xi; R36/37/38, R41
Also contains mica and exfoliated vermiculite.				

## 3. HAZARDS IDENTIFICATION

Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

## 4. FIRST AID MEASURES

<b>SKIN CONTACT</b>	Drench affected area of skin with running water for at least 10 minutes. If burns have occurred cover burn with dry non-fluffy material. If irritation persists, obtain medical attention.
<b>EYE CONTACT</b>	Irrigate with water for at least 15 minutes. Get prompt medical attention
<b>INHALATION</b>	Remove to fresh air and rest. After a significant exposure call for medical assistance immediately.
<b>INGESTION</b>	Give plenty of water to drink. Seek medical attention immediately.

## 5. FIRE FIGHTING MEASURES

<b>SUITABLE EXTINGUISHERS</b>	Non combustible material.
-------------------------------	---------------------------

## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
<b>ENVIRONMENTAL PRECAUTIONS</b>	Isolate the spillage. Do not allow spill to enter drains or watercourses. If there is much airborne dust, ventilate area.
<b>CLEAN UP METHODS</b>	Scoop up and place in container to await transfer. Wash site of spillage with water.

## 7. HANDLING AND STORAGE

<b>HANDLING</b>	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
<b>STORAGE</b>	Store in cool, dry, well ventilated area, off the ground.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>OCCUPATIONAL EXPOSURE LIMIT</b>	10mg/m <sup>3</sup> (inhalable dust), 2mg/m <sup>3</sup> (respirable) 8 hours TWA. See part <b>16. OTHER INFORMATION</b> .
<b>BIOLOGICAL EXPOSURE LIMIT</b>	Not applicable.
<b>ENGINEERING MEASURES</b>	Ensure adequate ventilation of the working area.
<b>RESPIRATORY PROTECTION</b>	Approved respirator EN 149 FFP1.
<b>HAND PROTECTION</b>	Waterproof gloves.
<b>EYE PROTECTION</b>	Safety goggles BS2092 impact and dust grade.
<b>SKIN AND BODY PROTECTION</b>	Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>DESCRIPTION</b>	Powder
<b>COLOUR</b>	Grey
<b>pH</b>	Maximum 12.0
<b>FLAMMABILITY LIMITS</b>	Non combustible
<b>AUTOFLAMMABILITY</b>	Non flammable
<b>RELATIVE DENSITY</b>	Nominal bulk density 350kg/m <sup>3</sup>
<b>WATER SOLUBILITY</b>	Minimum 99% insoluble in water

The information supplied in this Material Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best available knowledge and belief at the date of publication. However, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. For further technical information, please consult your nearest Promat Sprays Division office.

## 10. STABILITY AND REACTIVITY

<b>STABILITY</b>	Stable under normal conditions.
<b>MATERIALS TO AVOID</b>	Acids.

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS</b>	Irritation and redness at the site of skin contact. Skin ulceration may occur. Corneal burns may occur.
<b>HEALTH EFFECTS</b>	Irritating to eyes, skin and respiratory tract. Repeated period may cause irritant contact dermatitis.
<b>CHRONIC EFFECTS</b>	Dry non-productive cough.

## 12. ECOLOGICAL INFORMATION

No data is available on this product.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

The product is not classified as dangerous in the meaning of transport regulations.

## 15. REGULATORY INFORMATION

<b>LABELLING</b>	The product is classified in accordance with Directive 91/155/EEC.
<b>SYMBOLS</b>	<b>X<sub>i</sub></b> (Xi - Irritant)
<b>RISK PHRASES</b>	R36/37/38 Irritating to eyes, respiratory system and skin. R41 Risk of serious damage to eyes. Note: Wet premix is alkaline, harmful to skin.
<b>SAFETY PHRASES</b>	S36/39 Wear suitable protective clothing and eye/face protection. S22 Do not breathe dust. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After skin contact, wash immediately with plenty of soap and water.

## 16. OTHER INFORMATION

Compiled according to the CHIP Regulations 1994 / Amendments 1997. Further information is available from Promat Sprays Division.

The information supplied in this Material Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best available knowledge and belief at the date of publication. However, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. For further technical information, please consult your nearest Promat Sprays Division office.

### ASIA PACIFIC HEADQUARTERS

**Promat International (Asia Pacific) Ltd.**  
Tel: +60 (3) 2095 5111  
Fax: +60 (3) 2095 6111  
Email: spraysinfo@promat-ap.com

### AUSTRALIA

**Promat Australia Pty. Ltd.**  
Tel: 1800 PROMAT (776 628)  
Fax: +61 (8) 8352 1014

### New South Wales Office

**Promat Australia Pty. Ltd.**  
Tel: 1800 PROMAT (776 628)  
Fax: +61 (2) 9630 0258

### Victoria Office

**Promat Australia Pty. Ltd.**  
Tel: 1800 PROMAT (776 628)  
Fax: +61 (3) 9645 3844

### Queensland Office

**Promat Australia Pty. Ltd.**  
Tel: 1800 011 376  
Fax: 1800 334 598

Email: spraysinfo@promat.com.au

### CHINA

**Promat China Ltd.**  
Tel: +86 (20) 8136 1167  
Fax: +86 (20) 8136 1372

### Beijing Office

**Promat North China**  
*(Division of Promat China Ltd.)*  
Tel: +86 (10) 8589 1254  
Fax: +86 (10) 8589 2904  
Email: spraysinfo@promat-ap.com

### HONG KONG

**Promat International (Asia Pacific) Ltd.**  
Tel: +852 2836 3692  
Fax: +852 2834 4313  
Email: spraysinfo@promat-ap.com

### MALAYSIA

**Promat (Malaysia) Sdn. Bhd.**  
Tel: +60 (3) 2095 8555  
Fax: +60 (3) 2095 2111  
Email: spraysinfo@promat-ap.com

### INDIA

**Promat International (Asia Pacific) Ltd.**  
*(India Representative Office)*  
Tel: +91 (11) 2577 8413  
Fax: +91 (11) 2577 8414

### Bangalore office

**Promat International (Asia Pacific) Ltd.**  
*(India Representative Office)*  
Tel: +91 (80) 4031 4151  
Fax: +91 (80) 4125 2135

### Mumbai office

**Promat International (Asia Pacific) Ltd.**  
*(India Representative Office)*  
Tel: +91 (22) 6769 4567  
Fax: +91 (22) 6769 4568  
Email: spraysinfo@promat-ap.com

### SINGAPORE

**Promat Building System Pte. Ltd.**  
Tel: +65 6776 7635  
Fax: +65 6776 7624  
Email: spraysinfo@promat-ap.com

an **Etex** GROUP company

### OFFICIAL WEBSITE

[www.promat-ap.com](http://www.promat-ap.com)

Your local Promat supplier

