

AFEC E.R.M.A Ltd.

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אפק א.ר.מ.ע בע"מ

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## M-199 MATERIAL SAFETY DATA SHEET

### Producer

**AFEC Erma ltd**

14 Ort, Netanya, 4237851, Israel

Tel: +972-72-2121311

In case of emergency: ISRAEL only: 050-3533885/ 050-4000490

### 1. Identification of the substance / preparation and of the company / undertaking

Identification of the product: Liquid.

Company identification: AFEC Erma ltd.

Trade name: M-199.

Type of product: Concrete and mortar admixture.

Use: Industrial.

### 2. Composition / information on ingredients

- \* Chemical nature: Aqueous solution containing Alpha olefin sulfonate, Sodium Gluconate, Calcium lignosulfonate.

- \* Not classified as dangerous product  
Substances presenting a health or environmental hazard: None.

### 3. Hazards identification

Symptoms relating to use

\*Inhalation: Not expected to present a significant inhalation hazard under anticipated

conditions of normal use.

\*Skin contact: Repeated or prolonged skin contact may cause irritation.

\* Eye contact: Direct contact with the eyes is likely slightly irritating.

\* Ingestion: Must not come into contact with food or be consumed.

Swallowing a small

quantity of this material presents some health

hazard.

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#### 4. First aid measures

##### First aid measures

- \* Inhalation: Assure fresh air breathing. If you feel unwell, seek medical advice.
- \* Skin contact: Wash skin thoroughly with mild soap and water. Seek medical attention if irritation develops.
- \* Eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
- \* Ingestion: Rinse mouth. DO NOT INDUCE VOMITING. Seek medical attention if ill effect develops.

#### 5. Fire - fighting measures

- \* - Suitable extinguishing media : Foam. Powder.
- Unsuitable extinguishing media : Water.
- Protection against fire : Wear proper protective equipment. Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Exercise caution when fighting any chemical fire.



## 6. Accidental release measures

- Personal precautions : Equip cleanup crew with proper protection.  
 Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.  
 \* Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

## 7. Handling and storage

- Storage: Store in dry, well-ventilated area. Keep container closed when not in use.  
 Handling: Eliminate quickly from the eyes, to clean the skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

## 8. Exposure controls / personal protection

### Personal protection

**8 =**

- Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.  
 \* - Hand protection: Wear suitable gloves resistant to chemical penetration of standard material nitrile.  
 \* - Skin protection: Wear long sleeves, clothes that covers well.  
 - Eye protection: Safety glasses.  
 - Ingestion: When using, do not eat, drink or smoke.  
 Industrial hygiene: Provide local exhaust or general room ventilation.

## 9. Physical and chemical properties

- Physical state at 20 °C: Liquid.  
 Color: Pale Orange  
 Odor: Characteristic.  
 pH value:  $6 \pm 2$   
 Density:  $1,12 \pm 0,02$   
 Dry extract:  $20 \pm 1\%$   
 Solubility in water: Good.

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#### 10. Stability and reactivity

Hazardous reactions : None under normal conditions.  
Hazardous properties : None under normal conditions.

#### 11. Toxicological information

Rat oral LD50 [mg/kg] : No data available.

#### 12. Ecological information

LC50-96 Hour - fish [mg/l] : No data available.

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### 13. Disposal considerations

General:  
regulations for disposal.

Avoid release to the environment. Comply with local  
Dispose of this material and its container at hazardous or  
special waste collection point.

### 14. Transport information

General information:  
- IMDG-Marine pollution:

Not classified.  
No.

### 15. Regulatory information

- Symbol(s): None.  
R Phrase(s): None.  
S Phrase(s): None.

### 16. Other information

Recommended uses and restrictions: See technical data sheet for detailed information.  
Further information: The modifications compared to the preceding version are  
announced by the sign \* in front of the headings concerned.  
Date: 01/01/2020

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