



# Safety & Technical Data Sheet

## CIRCO EXTREME AFM



LEO FARM TECHNOLOGIES

### 1. SPECIFICATION:

<b>Appearance:</b>	Colorless liquid
<b>CONTROL Odour:</b>	Pungent
<b>Solubility:</b>	Soluble in water in all proportions
<b>DOSAGE:</b>	Provided water pH floats b/w 6.5 to 7 than use 1% solution. If floats b/w 8 to 9.5 than use 1.5% to 2%
<b>FEEDING:</b>	Closed Circuit feeding with hot water

### 2. Physical and chemical Properties

#### General information

Physical state:	Liquid
Colour:	Colorless
Odour:	Pungent

#### Important health, safety and environmental information

	Test method
PH-Value (at 20 °C):	> 13
<b>Changes in the physical state</b>	
Flash point:	NIL.
Lower explosion limits:	NIL.
Upper explosion limits:	
Density (at 20 °C):	1,17 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Completely miscible

### 3. Hazards identification

#### Classification

Indications of danger : Corrosive, Dangerous for the environment

R-phrases:

Contact with acids liberates toxic gas.

Causes severe burns.

Very toxic to aquatic organisms.

### 4. Composition/information on ingredients

#### Chemical characterization ( Mixture )

Soda alkaline solution containing active chlorine

### 5. First aid measures

#### General information

Remove and wash contaminated clothing before re-use.

Consult a physician.

#### After inhalation

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

If you feel unwell, seek medical advice.

#### After contact with skin

Wash off immediately with soap and plenty of water.

Consult a physician.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Summon a doctor immediately.

Seek medical treatment by eye specialist.



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### After ingestion

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
If possible drink milk afterwards.  
Summon a doctor immediately.

### Advice to doctor

Attention. Beware, danger of aspiration.  
Hazard of gastric perforation.

## 6. Fire-fighting measures

### Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

### Extinguishing media which must not be used for safety reasons

Full water jet.

### Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases

Chlorine compounds.

### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

### Additional information

Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 7. Accidental release measures

### Personal precautions

Ensure adequate ventilation.  
Suppress gases/vapours/mists with water spray jet  
Use personal protective clothing.  
Avoid contact with skin, eyes and clothing.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### Methods for cleaning up/taking up

Take up with absorbent material (e.g. kieselguhr).  
Shovel into suitable container for disposal.

## 8. Exposure controls/personal protection

### Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

### Protective and hygiene measures

Do not inhale gases.  
Wash hands before breaks and immediately after handling the product .  
When using, do not eat, drink or smoke.  
Avoid contact with skin, eyes and clothing.  
Remove and wash contaminated clothing before re-use.



### Respiratory protection

No personal respiratory protective equipment normally required.

### Hand protection

Protective gloves resistant to chemicals made off natural -rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx. 480 minutes,



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This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

### **Eye protection**

Tightly fitting goggles.

Eye wash bottle with pure water.

### **Skin protection**

Long sleeved clothing.

Light protective clothing

## **9. Stability and reactivity**

### **Conditions to avoid**

To avoid thermal decomposition, do not overheat.

Exothermic reaction with strong acids.

Contact with acids liberates toxic gas.

### **Materials to avoid**

Acids.

### **Hazardous decomposition products**

Chlorine

### **Further information**

No decomposition if stored and applied as directed.

## **10. Ecological information**

### **Further information**

Do not flush into surface water or sanitary sewer system.

Hazardous water pollutant.

A pH-change becomes possible in water.

Very toxic to aquatic organisms.

## **11. Handling and storage**

### **Handling**

#### **Advice on safe handling**

Keep container tightly closed.

Keep a good ventilation and air-exhaust at the place of work.

Avoid contact with skin, eyes and clothing.

#### **Advice on protection against fire and explosion**

No special protective measures against fire required.

### **Storage**

#### **Requirements for storage rooms and vessels**

Do not use aluminum or light metal containers for warehousing.

Keep containers tightly closed in a dry, well-ventilated place.

#### **Advice on storage compatibility**

Do not store with acids.

Contact with acids liberates toxic gas.

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.