



Safety & Technical Data Sheet

CIRCO EXTREME SFM



LEO FARM TECHNOLOGIES

1. SPECIFICATION:

Appearance:	Colorless liquid
CONTROL Odour:	Abnoxious
Solubility:	Soluble in water in all proportions
DOSAGE:	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%
FEEDING:	Closed Circuit feeding with hot water

2. Physical and chemical Properties

General information

Physical state:	Liquid
Colour:	Colourless
Odour:	Abnoxious

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	< 1
Changes in the physical state	
Flash point:	NIL.
Lower explosion limits:	NIL.
Upper explosion limits:	
Density (at 20 °C):	1,20 - 1,25 g/cm ³
Water solubility: (at 20 °C)	Completely miscible

3. Hazards identification

Classification

Indications of danger : Corrosive
R-phrases:
Causes burns.

4. 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.

After ingestion

Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Summon a doctor immediately.



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5. 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

Fire may produce:

Phosphorus oxides (P_xO_x).

Nitrogen gases (NO_x).

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.

6. 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.

7. 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 aluminium or light metal containers for warehousing.

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

Advice on storage compatibility

Incompatible with bases.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.



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8. Exposure controls/personal protection

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.

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. 240 minutes

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

Acid-resistant protective clothing.



9. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Exothermic reaction with: Bases.

Gives off hydrogen by reaction with metals.

Reacts violently with water.

Materials to avoid

Bases.

Hazardous decomposition products

Nitrous oxides (NO_x).

Phosphorus oxides (e.g. P₂O₅)

Further information

No decomposition if stored and applied as directed.

10. Toxicological information

Empirical data on effects on humans

The product causes burns of eyes, skin and mucous membranes.

Ingestion of aqueous solution causes gastrointestinal burns.

Hazard of gastric perforation.



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11. Ecological information

Further information

Do not flush into surface water or sanitary sewer system.

Low hazard to waters.

A pH-change becomes possible in water.

12. Disposal considerations

Advice on disposal

Disposal in accordance with local regulations.

