

# SAFETY DATA SHEET

## Marinfloc OCM Cell Clean

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**Product name** Marinfloc OCM Cell Clean

**Supplier**

**MARINFLOC**  **AB**  
*For a clean sea*

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
CITRIC ACID, MONOHYDRATE	201-069-1	5949-29-1	10%	-	

See section 16 for explanations to R-phrases

**EC No.** 201-069-1

**Gross formula** C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>

**CAS No.** 5949-29-1

### 3. HAZARDS IDENTIFICATION

EYE CONTACT: can irritate the eyes. SKIN CONTACT: may give irritations to the skin. INGESTION: may cause nausea, vomiting and diaorrea. INHALATION: may irritate the mucuos membranes.

### 4. FIRST AID MEASURES

<b>Inhalation</b>	Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Get medical attention.
<b>Skin</b>	Rinse the skin immediately with lots of water. Get medical attention if any discomfort continues.
<b>Eyes</b>	Dust in the eyes: Immediately rinse with water for several minutes. Get medical attention if any discomfort continues.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Water spray, fog or mist. Powder, foam or CO<sub>2</sub>.

**Special fire fighting procedures** Move container from fire area if it can be done without risk. Avoid breathing fire vapours.

## 6. ACCIDENTAL RELEASE MEASURES

**Spill cleanup methods**                      Avoid contact with skin or inhalation of spillage, dust or vapour. Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

## 7. HANDLING AND STORAGE

**Usage precautions**                      Avoid spilling, skin and eye contact.  
**Storage precautions**                      Keep in cool, dry, ventilated storage and closed containers.  
**Storage criteria**                              Chemical storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation**                                      Provide adequate general and local exhaust ventilation.  
**Respirators**                                      Wear respirator if there is dust formation. Dust filter P2 (for fine dust).  
**Protective gloves**                              Use protective gloves made of: Rubber or plastic.  
**Eye protection**                                      Use tight fitting goggles if dust is generated.  
**Hygienic work practices**                      Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

**Colour**    White.

**Odour**    Odourless or no characteristic odour.

**Mol. weight**                                      210.16

**Melt./Freez. point (°C, interval)**              100

**Density/specific gravity (g/ml)**              1.54                                      **Temperature (°C)**

**pH-value, diluted solution**                      \_ 1.80                                      **Concentration %M**                      0.24

**Solubility description**                              Very soluble in water. Soluble in: Ether. Ethanol.

**Solubility value (g/100g H2O 20°C)**              163.00

**Flash point (°C)**                                      100                                      **Method**                                      Not noted.

**Flammability limit - lower(%)**                      8

**Partition coeff. (log Pow)**                      -1.72

## 10. STABILITY AND REACTIVITY

**Materials to avoid**                              Strong oxidising agents. Powdered metal.

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**Hazardous decomp. products** High temperatures generate: Very toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

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## 11. TOXICOLOGICAL INFORMATION

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**Health warnings** INHALATION. EYE CONTACT. Irritating to eyes. SKIN CONTACT. SYMPTOMS AFTER INHALATION. Coughing. Pressure in the chest. SYMPTOMS AFTER INGESTION. Increased volume of saliva. Diarrhoea.

**Route of entry** Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

**Target organs** Eyes. Respiratory system, lungs. Skin. Mucous membranes.

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## 12. ECOLOGICAL INFORMATION

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LC 50, 96 Hrs, Fish mg/l: 625

EC 50, 48 Hrs, Daphnia, mg/l: 80

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal methods** Confirm disposal procedures with environmental engineer and local regulations.

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## 14. TRANSPORT INFORMATION

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## 15. REGULATORY INFORMATION

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EC No. 201-069-1

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## 16. OTHER INFORMATION

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### Explanations to R-phrases in section 2

\* Information revised since the previous version of the SDS

**Information sources** The Condensed Chemical Dictionary, Hawley, 11th. edition, 1987. The Merck Index, 11. edition, 1989. Dangerous Properties of Industrial Chemicals, 7th edition, Sax & Lewis, 1988. Handling Chemicals Safely, Stuurgroep-Kemikaarten, 1980. Sigma-Aldrich Material Safety Data Sheets on CD-ROM.

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