

# Safety data sheet

## Sea Flocc 100

Revision date: 2011/01/27  
Version: 1.0

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(30485463/SDS\_GEN\_CA/EN)

### 1. Substance/preparation and company identification

Company  
VapCor Inc.  
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St. Catharines, Ontario  
Canada, L2M 7P3  
Ph# 905-346-2638  
Ph# 866-642-1311  
Fax# 905-682-3300  
E-mail: Solutions@Vapcor.com  
website: www.vapcor.com

24 Hour Emergency Response Information  
CANUTEC  
Transport Dangerous Goods Directorate  
Transport Canada  
Ottawa, Ontario, Canada K1A 0N5  
(613) 996-6666

USE: Flocculation Agent  
Chemical Family: Emulsion based on polyacrylamide, cationic

### 2. Hazard identification

#### Emergency overview

##### CAUTION:

Corrosive to eyes

This product is a skin irritant.

Repeated or prolonged contact may cause skin irritation or allergic skin reactions.

Contains petroleum distillates and prolonged contact with mists may cause skin, eye and respiratory tract irritation. Continued overexposure may cause headache and dizziness. Ingestion may cause lung complications.

Caution - Slippery when wet!

State of matter: liquid

Colour: cream, almost white

Odour: mineral oil-like

#### Potential health effects

##### Chronic toxicity:

**Carcinogenicity:** None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

##### Signs and symptoms of overexposure:

Eye irritation, skin irritation, CNS depression

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
69418-26-4	30.0 - 60.0 %	Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-propenamide
64742-47-8	15.0 - 40.0 %	Distillates (petroleum), hydrotreated light
68131-40-8	1.0 - 5.0 %	Alcohols, C11-15-secondary, ethoxylated

### 4. First-aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

#### If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

#### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

#### If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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### 5. Fire-fighting measures

Flash point: >93 °C

**Suitable extinguishing media:**

dry extinguishing media, foam, water fog

**Unsuitable extinguishing media for safety reasons:**

Water Jet

**Hazards during fire-fighting:**

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Spilled product is slippery underfoot. Very slippery when wet.

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

**Personal precautions**

Use Personal protective clothing. Keep people away and stay on the upwind side.

**Environmental precautions:**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Cleanup:**

Use common salt (sodium chloride) to aid removal of residues

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

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### 7. Handling and storage

**Handling**

**General advice:**

No special measures necessary provided product is used correctly.

**Protection against fire and explosion:**

Take precautionary measures against static discharges.

**Storage**

**General advice:**

Keep container tightly closed in a cool, well-ventilated place.

**Storage Stability:**

Avoid extreme heat. Avoid Freezing

**Temperature Tolerance:**

Avoid freezing

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### 8. Exposure controls and personal protection

#### Personal protective equipment

##### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

##### **Hand protection:**

Chemical resistant protective gloves

##### **Eye protection:**

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

##### **Body protection:**

Impermeable protective clothing

##### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and chemical properties

Form:	emulsion
Odour:	mineral oil-like
Odour Threshold:	No Data Available
Colour:	cream, almost white
pH value:	approx.4 (25 °C)
Density:	approx. 1.0 g/cm <sup>3</sup> (20 °C)
Viscosity, dynamic:	1,000 – 1,500 mPa.s
% volatiles:	23.9%
Solubility in water:	dispersible
Miscibility with water	of low solubility

### 10. Stability and reactivity

#### **Conditions to avoid:**

Avoid extreme temperatures. Avoid freezing. Avoid all sources of ignition: heat, sparks, open flame.

#### **Substances to avoid:**

reactive chemicals

#### **Hazardous reactions:**

No hazardous reactions when stored and handled according to instructions.

#### **Decomposition products:**

No hazardous decomposition products if stored and handled as prescribed/indicated.

### 11. Toxicological information

#### **Acute toxicity**

##### **Oral:**

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

#### **Irritation / corrosion**

##### **Skin:**

Result: Irritant.

Method: OECD Guideline 404

##### **Eye:**

Species: rabbit

Result: Irritant.

##### **Aspiration Hazard:**

No aspiration hazard expected.

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### 12. Ecological information

#### Aquatic toxicity

*Information on: cationic polyacrylamide*

*Assessment of aquatic toxicity:*

*The hydrolysis products are not acutely harmful to aquatic organisms. Acute effects on aquatic organisms are due to the cationic charge of the polymer, which is quickly neutralised in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon. Fish toxicity and aquatic toxicity are drastically reduced by rapid irreversible adsorption onto suspended and/or dissolved organic matter.*

#### Fish

Acute:

Oncorhynchus mykiss/LC50 (96 h): 10 - 100 mg/l

(under static conditions in the presence of 10 mg/L humic acid) The product has not been tested. The statement has been derived from products of a similar structure or composition.

#### Aquatic invertebrates

Acute:

daphnia/EC50 (48 h): 10 - 100 mg/l

(under static conditions in the presence of 10 mg/L humic acid)

#### Degradability / Persistence

##### Hydrolysis

*Information on: cationic polyacrylamide*

*In contact with water the substance will hydrolyse rapidly.*

#### Environmental mobility:

*Information on: cationic polyacrylamide*

*Assessment transport between environmental compartments:*

*Adsorption to solid soil phase is expected.*

### 13. Disposal considerations

#### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface

#### Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

### 14. Transport information

#### Land transport

TDG

Not classified as a dangerous good under transport regulations

#### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

#### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

#### Further information

This product is considered to be an oil per the definitions in 49 CFR 130.2. If packed in a container with a capacity of 3,500 gallons or more, the Communication Requirements at 49 CFR 130.11 and the Response Plan Requirements at 49 CFR 130.31 and 130.33 apply to Domestic transportation by motor vehicles and rolling stock. Notification of releases to the National Response Center (NRC), 800-424-8802, may be necessary. In the Washington, DC metropolitan area, call 202-426-2675.

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### 15. Regulatory information

#### Federal Regulations

**Registration status:**

Chemical DSL, CA released / listed

**WHMIS classification:** D2B: Materials Causing Other Toxic Effects - Toxic Material



**THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.**

### 16. Other information

**Local contact information**

Solutions@Vapcor.com

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