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## 1 Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· Trade name: **ENVIROTEMP™ FR3™ Fluid**

· CAS Number:  
8001-22-7

· **1.3 Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**  
Cargill, Incorporated

Within Europe  
Cargill B.V.  
Address Coenhavenweg 2  
1013 BL Amsterdam  
Tel: +33.20.5801999

Outside Europe  
Cargill Industrial Specialties  
9320 Excelsior Blvd.  
Hopkins, Minnesota 55343  
E-mail: CIS\_CustomerService@Cargill.com  
Tel: 1-800-842-3631



· **1.4 Emergency telephone number:**

Europe  
Emergency telephone number: 1-760-476-3961 Access: 333196

North America  
Emergency telephone number: 1-800-842-3631

## 2 Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Not applicable.  
· **Information concerning particular hazards for human and environment:** Not applicable.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008:** N/A  
· **Hazard pictograms:** N/A  
· **Signal word:** N/A

· **Hazard-determining components of labelling:** None.

· **Hazard statements:** N/A

· **Hazard description:**

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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### 3 Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
8001-22-7 Soybean Oil
- **Dangerous components:** N/A

### 4 First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Generally the product does not irritate the skin.  
Clean with water and soap.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed:** Gastric or intestinal disorders.
- **Hazards:** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Foam  
Fire-extinguishing powder  
Carbon dioxide  
Gaseous extinguishing agents
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:** No further relevant information available.

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## 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb liquid with liquid-binding material.  
When absorbed on materials being created in high surface areas and with exposure to oxygen, spontaneous combustion may occur.  
Send for suitable recovery and/or disposal authorities.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **7.1 Precautions for safe handling:** Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.  
Protect from humidity and water.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** No further relevant information available.
- **Respiratory protection:**  
Not required under normal conditions of use.  
For spills, respiratory protection may be advisable.

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Use suitable respiratory protective device when aerosol or mist is formed.  
NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Sensibilization by the components in the glove materials is possible.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

Natural rubber, NR

Plastic gloves

· **Eye protection:**



Safety glasses

· **Body protection:**

Protection may be required for spills.

Not required under normal conditions of use.

· **Limitation and supervision of exposure into the environment:** No special requirements.

· **Risk management measures:** No special requirements.

## 9 Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

**Colour:** Light green

· **Odour:** Slight

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

**Melting point/Melting range:** Not determined.

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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<b>Boiling point/Boiling range:</b>	>680 °F / >360 °C
· <b>Flash point:</b>	>464 °F / >240 °C (Closed Cup)
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Ignition Temperature Range: 754 - 759 ° F / 401 - 404 °C.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidizing properties</b>	Non-oxidising.
· <b>Vapour pressure at 20 °C:</b>	< 1.3 Pa (< 0.01 mm Hg)
· <b>Density at 20 °C:</b>	0.92 g/cm <sup>3</sup>
· <b>Relative density at 20 °C</b>	0.92 (Water = 1.0)
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Nil.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C:</b>	33 - 35 mm <sup>2</sup> /s
· <b>9.2 Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions**  
Reacts with strong oxidizing agents.  
Reacts with strong alkali.
- **10.4 Conditions to avoid** Store away from oxidizing agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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## 11 Toxicological information

### · 11.1 Information on toxicological effects

#### · Acute toxicity:

#### · Primary irritant effect:

· On the skin: No irritant effect.

· On the eye: No irritating effect.

· Sensitization: No sensitizing effects known.

#### · Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· Repeated dose toxicity: Repeated exposure may cause skin dryness or cracking.

## 12 Ecological information

### · 12.1 Toxicity

· Aquatic toxicity: Generally not hazardous for water

· 12.2 Persistence and degradability: Readily biodegradable

· 12.3 Bioaccumulative potential: No further relevant information available.

· 12.4 Mobility in soil: No further relevant information available.

#### · Additional ecological information:

#### · General notes:

Not known to be hazardous to water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### · 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Other adverse effects: No further relevant information available.

## 13 Disposal considerations

### · 13.1 Waste treatment methods

#### · Recommendation

Smaller quantities can be disposed of with household waste.

Can be reused after reprocessing.

Contact waste processors for recycling information.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

#### · Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

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### 14 Transport information

· 14.1 UN-Number · DOT, ADR, ADN, IMDG, IATA	Not Regulated
· 14.2 UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Not Regulated
· 14.3 Transport hazard class(es) · DOT, ADR, ADN, IMDG, IATA · Class	Not Regulated
· 14.4 Packing group · DOT, ADR, IMDG, IATA	Not Regulated
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

### 15 Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · United States (USA) · SARA
· Section 355 (extremely hazardous substances): Substance is not listed.
· Section 313 (Specific toxic chemical listings): Substance is not listed.
· TSCA (Toxic Substances Control Act): Substance is listed.
· Proposition 65 (California):
· Chemicals known to cause cancer: Substance is not listed.
· Chemicals known to cause reproductive toxicity for females: Substance is not listed.
· Chemicals known to cause reproductive toxicity for males: Substance is not listed.
· Chemicals known to cause developmental toxicity: Substance is not listed.

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· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **MAK (German Maximum Workplace Concentration)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and Acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)