

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

Printing date: 04.03.2014

Revision: 04.03.2014

**1 Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade Name: **ENVIROTEMP™ FR3™ Fluid**

SAP Material Numbers: 100088941; 100089128; 100089127; 100089129; 110013820

CAS Number: 8001-22-7

**1.3 Details of the supplier of the Safety Data Sheet****Manufacturer/Supplier:**

Cargill Incorporated  
Cargill Industrial Specialties  
9320 Excelsior Blvd.  
Hopkins, Minnesota 55343  
Tel: 1-800-842-3631

E-mail: [CIS\\_CustomerService@Cargill.com](mailto:CIS_CustomerService@Cargill.com)**Australian Supplier:**

Insulect Australia Pty Ltd  
2840 Ipswich Road,  
Darra, Qld, 4076,  
Australia  
Tel: 07 3716 6777

E-mail: [sales@insulect.com](mailto:sales@insulect.com)**1.4 Emergency telephone number:**

Australia

Emergency telephone number: 13 11 26 (Poisons Information Centre – 24 hour emergency number)

North America

Emergency telephone number: 1-800-255-3924 (ChemTel)

**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:** Not applicable.**Hazard pictograms:** Not applicable.**Signal word:** Not applicable.**Hazard-determining components of labelling:** None**Hazard statements:** Not applicable.**Hazard description:** Not applicable.**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 Chemical characterization:** Mixture.**CAS No.:** 8001-22-7**Description:** Soybean Oil with additives.**Hazardous components:** None in reportable quantities.

### 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 distress when ingested.

**Hazards:** None.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No additional information.

### 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 additional information

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### 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Wear protective equipment.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

#### 6.3 Methods and material for containment and cleaning up:

Send for suitable recovery and/or disposal authorities.

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal.

Clay materials (Fuller's earth, oil dry products) saturated with Envirotemp FR3 fluid can, under certain conditions, undergo a slow oxidation that releases heat. If the heat so released cannot escape, it is possible that the temperature may increase.

#### 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:** None

**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 additional information

### 8 Exposure controls/personal protection

**Additional information about design of technical facilities:** No additional information

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:** Not required.

**DNELs:** No additional information

**PNECs:** No additional information

**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 additional information.

##### Respiratory protection:

Not required under normal conditions of use.

##### Protection of hands:

Wash hands after use. For extended skin contact, gloves are recommended.



Protective gloves

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Safety glasses.

**Body protection:**

Protective work clothing 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.
Boiling point/Boiling range:	>360 °C

Flash point: >240 °C (Closed Cup)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not applicable.

Decomposition temperature: Not determined.

Autoignition: 401 - 404°C (ASTM E659)

Danger of explosion: Product does not present an explosive hazard.

##### Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

##### Oxidizing properties

Non-oxidizing.

Vapour pressure at 20°C: <1.3 Pa (<0.01 mm Hg)

Density at 20°C: 0.92 g/cm<sup>3</sup>

Vapour density: Not determined.

Evaporation rate: Nil.

##### Solubility in / Miscibility with

Water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

##### Viscosity:

Dynamic:	Not determined.
Kinematic at 40 °C:	33 - 35 mm <sup>2</sup> /s

9.2 Other information: No additional information.

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## 10 Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability:

#### Thermal decomposition / conditions to be avoided:

To avoid thermal decomposition, avoid temperatures > 250C

### 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 additional information

**10.6 Hazardous decomposition products:** None.

## 11 Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:** Not acutely toxic (OECD 420)

#### 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:** None.

## 12 Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No Observable Adverse Effect > 10 000 mg/L (ASTM D608, OECD 203)

**Oral toxicity:** No Observable Adverse Effect > 2 000 mg/kg (OECD 420)

**12.2 Persistence and degradability:** Readily biodegradable

**12.3 Bio accumulative potential:** No potential for bioaccumulation.

**12.4 Mobility in soil:** Product has low mobility in soil.

#### Additional ecological information:

**General notes:** Product is classified as NWG.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects:** No additional information

## 13 Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation:

Product and packaging must be disposed of in accordance with relevant national and local regulations.

May be incinerated.

Unopened product may be returned for reclamation.

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to the applicable regulations.

**Recommended cleansing agents:** Water. Use cleansing agents if necessary.

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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 applicable

**14.4 Packing group**  
DOT, ADR, IMDG, IATA: Not applicable

**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.**  
**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

<b>EPA (Environmental Protection Agency):</b>
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Substance is not listed.
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<b>IARC (International Agency for Research on Cancer):</b>
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Substance is not listed.
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<b>TLV (Threshold Limit Value established by ACGIH):</b>
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Substance is not listed.
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<b>MAK (German Maximum Workplace Concentration):</b>
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Substance is not listed.
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<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>
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Substance is not listed.
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<b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b>
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Substance is not listed.
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**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

#### 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)

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