

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

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.

Evert van de Beekstraat 378

1118 CZ Schiphol

Netherlands

Tel +31 20 500 60 00

Outside Europe

Cargill, Incorporated

Cargill Industrial Specialties

9320 Excelsior Blvd.

Hopkins, Minnesota 55343

Tel: 1-800-842-3631

E-mail: CIS_CustomerService@Cargill.com

Further information obtainable from: Product Safety Department



1.4 Emergency telephone number:

Europe

Emergency telephone number: 01-813-248-0585 (collect calls accepted)

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 nonhazardous additives.**Hazardous components:** None.

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 ³
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 ² /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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Trade Name: **ENVIROTEMP™ FR3™ Fluid****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":

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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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Trade Name: **ENVIROTEMP™ FR3™ Fluid****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****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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