

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

#### 1.1 Product identifier

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Antifreeze/coolant

**Uses advised against:** No uses advised against identified.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer / Supplier** COFRAN FLF  
1, Place des Papeteries  
92000 Nanterre  
France  
**Telephone:** +33 (0) 1 41 37 42 00  
**Fax:** +33 (0) 1 41 37 42 16

**Contact Person:**  
**E-mail:** info@cofran.fr

**1.4 Emergency telephone number:** +33 (0)1 45 42 59 59 (ORFILA)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

**Classification according to Regulation (EC) No 1272/2008 as amended.**

##### Health Hazards

Acute toxicity (Oral) Category 4 H302: Harmful if swallowed.

Specific Target Organ Toxicity - Repeated Exposure Category 2 H373: May cause damage to organs through prolonged or repeated exposure.

##### Hazard summary

**Physical Hazards:** No data available.

#### 2.2 Label Elements

**Contains:** Glycol

**Product name:** COFRAN REFRIGEL UNIVERSAL -35



**Signal Words:** Warning

**Hazard Statement(s):** H302: Harmful if swallowed.  
H373: May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statements

**General information:** P102: Keep out of reach of children.

**Prevention:** P260: Do not breathe dust/fume/gas/mist/vapors/spray.

**Response:** P312: Call a POISON CENTER or doctor/ physician if you feel unwell.

**Disposal:** P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**2.3 Information on other hazards** No data available.

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**General information:** Mixture of the substances listed below with harmless additions.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Glycol	EINECS: 203-473-3	25,00% - <50,00%	01-2119456816-28	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#### Classification

Chemical name	Identifier	Classification
Glycol	EINECS: 203-473-3	CLP: STOT RE 2;H373, Acute Tox. 4;H302

CLP: Regulation No. 1272/2008.

### SECTION 4: First aid measures

**General:** Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

#### 4.1 Description of first aid measures

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

<b>Inhalation:</b>	Supply fresh air; consult doctor in case of symptoms.
<b>Eye contact:</b>	Promptly wash eyes with plenty of water while lifting the eye lids.
<b>Skin Contact:</b>	Wash with soap and water.
<b>Ingestion:</b>	Rinse mouth. Call a POISON CENTER or doctor/ physician if you feel unwell.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

### 5.2 Special hazards arising from the substance or mixture:

During fire, gases hazardous to health may be formed.

### 5.3 Advice for firefighters

**Special fire-fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

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

In case of spills, beware of slippery floors and surfaces.

### 6.2 Environmental Precautions:

Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

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

Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations.

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

**6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Prevent formation of aerosols. Provide adequate ventilation. Observe good industrial hygiene practices.

**7.2 Conditions for safe storage, including any incompatibilities:** Prevent formation of aerosols. Local regulations concerning handling and storage of waterpolluting products have to be followed.

**7.3 Specific end use(s):** Not applicable

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Glycol	TWA	20 ppm 52 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Glycol	STEL	40 ppm 104 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Glycol - Vapor.	VME	20 ppm 52 mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984, as amended (01 2008)
Glycol - Vapor.	VLE	40 ppm 104 mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984, as amended (01 2008)

### 8.2 Exposure controls

**Appropriate engineering controls:** Adequate ventilation should be provided so that exposure limits are not exceeded.

#### Individual protection measures, such as personal protective equipment

**General information:** Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

**Eye/face protection:** Safety glasses (EN 166) recommended during refilling.

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

**Skin protection**

**Hand Protection:**

Material: Nitrile butyl rubber (NBR).  
Min. Breakthrough time:  $\geq 480$  min  
Recommended thickness of the material:  $\geq 0,38$  mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Other:**

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

**Respiratory Protection:**

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

**Thermal hazards:**

Not known.

**Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Environmental Controls:**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

**Physical state:**

liquid

**Form:**

liquid

**Color:**

Pink

**Odor:**

Characteristic

**pH:**

7,0 - 8,5 (100 %)

**Freezing point:**

not determined

**Boiling Point:**

Not applicable

**Flash Point:**

$> 100$  °C

**Evaporation Rate:**

Not applicable for mixtures

**Flammability (solid, gas):**

not determined

**Explosion Limit - Upper (%):**

Not applicable for mixtures

**Explosion Limit - Lower (%):**

Not applicable for mixtures

**Vapor pressure:**

Not applicable for mixtures

**Relative vapor density:**

Not applicable for mixtures

**Density:**

1,06 g/cm<sup>3</sup> (15 °C)

**Solubility(ies)**

**Solubility in Water:**

Soluble

**Solubility (other):**

No data available.

**Partition coefficient (n-octanol/water):**

Not applicable for mixtures

**Auto-ignition temperature:**

not determined

**Decomposition Temperature:**

not determined

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

<b>Flow time</b>	Value not relevant for classification
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>Particle characteristics:</b>	Not applicable
<b>9.2 Other information</b>	No data available.

#### SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions. Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

#### SECTION 11: Toxicological information

##### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	Harmful if swallowed.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

##### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

###### Acute toxicity

###### Oral

<b>Product:</b>	ATEmix: 1.052 mg/kg
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###### Dermal

<b>Product:</b>	Not classified for acute toxicity based on available data.
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###### Specified substance(s)

Glycol	LD 50 (Rabbit): 9.530 mg/kg
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###### Inhalation

<b>Product:</b>	Not classified for acute toxicity based on available data.
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###### Skin Corrosion/Irritation:

<b>Product:</b>	Based on available data, the classification criteria are not met.
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**Product name:** COFRAN REFRIGEL UNIVERSAL -35

**Serious Eye Damage/Eye Irritation:**

**Product:** Based on available data, the classification criteria are not met.

**Respiratory or Skin Sensitization:**

**Product:** Skin sensitizer: Based on available data, the classification criteria are not met.  
Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

**Product:** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:** Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are met.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 12: Ecological information**

**General information:** Not applicable

**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Fish**

**Specified substance(s)**

Glycol LC 50 (Fish, 96 h): > 18.500 mg/l

**Aquatic Invertebrates**

**Specified substance(s)**

Glycol LC 50 (Water Flea, 48 h): 46.300 mg/l

**Chronic ToxicityProduct:** Based on available data, the classification criteria are not met.

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

## 12.2 Persistence and Degradability

### Biodegradation

**Product:** Not applicable for mixtures

## 12.3 Bioaccumulative potential

**Product:** Not applicable for mixtures

## 12.4 Mobility in soil:

**Product:** Not applicable for mixtures

## 12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

## 12.6 Endocrine disrupting properties

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

### European Waste Codes

16 01 14\*: antifreeze fluids containing hazardous substances

## SECTION 14: Transport information

### ADR/RID

- |                                    |                     |
|------------------------------------|---------------------|
| 14.1 UN number or ID number:       | —                   |
| 14.2 UN Proper Shipping Name:      | —                   |
| 14.3 Transport Hazard Class(es)    |                     |
| Class:                             | Non-dangerous goods |
| Label(s):                          | —                   |
| Hazard No. (ADR):                  | —                   |
| Tunnel restriction code:           | —                   |
| 14.4 Packing Group:                | —                   |
| 14.5 Environmental hazards:        | —                   |
| 14.6 Special precautions for user: | —                   |



**Product name:** COFRAN REFRIGEL UNIVERSAL -35

#### IMDG

14.1 UN number or ID number: —  
14.2 UN Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
    Class: Non-dangerous goods  
    Label(s): —  
    EmS No.: —  
14.3 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

#### IATA

14.1 UN number or ID number: —  
14.2 Proper Shipping Name: —  
14.3 Transport Hazard Class(es):  
    Class: Non-dangerous goods  
    Label(s): —  
14.4 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

**14.7 Maritime transport in bulk according to IMO instruments:** Not applicable.

### SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

#### EU Regulations

**EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:** none

#### National Regulations

**INRS, maladies professionnelles, table of work-related illnesses**

**Listed:** 66  
84

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

**DIRECTIVE 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances**

Not applicable

### SECTION 16: Other information

**Revision Information:** Vertical lines in the margin indicate an amendment.

**Product name:** COFRAN REFRIGEL UNIVERSAL -35

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**Wording of the H-statements in section 2 and 3**

H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.

**Other information:**

The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

**Revision Date:**

24.11.2023

**Disclaimer:**

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.