

Version 1 Issue Date: 27/11/2023 | Revision Date: 16/01/2026

SECTION 1

Identification of the substance/mixture And of the company/undertaking

1.1 Product identifier

Product name: DINAFLUIDX

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

Coolant / Heat Transfer Fluid in a Closed Circuit

DinaFluidX -10°, -15°, -20°, -30°, -40°, -55°, -60°

Uses Not Recommended: Uses other than those recommended.

1.3 Safety Data Sheet Supplier Details

CERPROKEM S.L.U.

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1.4 Emergency Telephone:

(Only available during office hours; Monday-Friday; 8:00-17:00)

SECTION 2

Hazards identification

2.1 Classification of the substance or mixture.

The product is not classified as hazardous according to Regulation (EU) No 1272/2008.

2.2 Label elements

Not labeled as hazardous material.

2.3 Other hazards

The mixture does not contain substances classified as PBT (Persistent, Bioaccumulative, and Toxic). The mixture does not contain substances classified as vPvB (Very Persistent and Very Bioaccumulative).

The mixture contains substances with endocrine-disrupting properties at a concentration of less than 0.1%.

Under normal use conditions and in its original form, the product has no other adverse effects on health or the environment.

SECTION 3:

Composition/information on ingredients.

3.1 Substances.

Not applicable.

3.2 Mixtures.

This mixture does not contain substances with a concentration above the limits established in Annex II of Regulation (EC) No 1907/2006 and subsequent amendments, which pose a danger to health or the environment, nor are they assigned a Community workplace exposure limit, nor are they classified as PBT/vPvB or included on the Candidate List.

SECTION 4

First aid.

4.1 Description of first aid measures.

Due to the composition and type of substances present in the preparation, no special warnings are necessary.

- **Inhalation:** If breathing stops, seek urgent medical attention. Move the affected person to fresh air, keep them warm and at rest. If breathing is irregular or stops, perform artificial respiration.
- **Eye contact:** Remove contact lenses, if present and easy to do. Wash eyes thoroughly with clean, fresh water for at least 10 minutes, pulling up the eyelids, and seek medical attention.
- **Skin contact:** Remove contaminated clothing.
- **Ingestion:** Keep the person at rest. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed:

No acute or delayed effects are known from exposure to the product.

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

In case of doubt, or when symptoms of illness persist, seek medical attention.

Never give anything by mouth to an unconscious person.

SECTION 5

Fire-fighting measures.

5.1 Extinguishing media

Suitable extinguishing media: Extinguishing powder or CO₂. In case of more serious fires, also use alcohol-resistant foam and water spray.

Unsuitable extinguishing media: Do not use a direct water jet for extinguishing.

In the presence of electrical voltage, the use of water or foam as an extinguishing medium is unacceptable.

5.2 Specific hazards arising from the substance or mixture

Special hazards: Exposure to combustion or decomposition products may be harmful to health.

5.3 Advice for firefighters

Cool tanks, cisterns, or containers near the heat source or fire with water. Take into account the wind direction.

Firefighting protective equipment: Depending on the size of the fire, it may be necessary to use heat-protective suits, self-contained breathing apparatus, gloves, goggles or face masks, and boots.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures.

For exposure controls and personal protective measures, see section 8.

6.2 Environmental precautions.

Product not classified as environmentally hazardous; avoid contain any spill as far as possible.

6.3 Containment and cleanup methods and materials.

Contain and collect the spill with inert absorbent material (earth, sand, vermiculite, diatomaceous earth, etc.) and clean the area immediately with a suitable decontaminant.

Place the waste in sealed containers suitable for disposal, in accordance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure controls and personal protective equipment, see section 8.

For waste disposal, follow the recommendations in section 13.

SECTION 7

Handling and storage.

7.1 Precautions for safe handling.

The product does not require any special handling measures; the following general measures are recommended:

- For personal protection, see section 8.
- Smoking, eating, and drinking are prohibited in the application area.
- Comply with occupational health and safety legislation.
- Never use pressure to empty the containers; they are not pressure-resistant.
- Store the product in containers made of the same material as the original.

7.2 Safe storage conditions, including any incompatibilities.

The product does not require any special storage measures.

General storage conditions include avoiding heat, radiation, electricity, and contact with food.

Keep away from oxidizing agents and strongly acidic or alkaline materials.

Store containers between 5 and 35°C in a dry, well-ventilated place.



Store according to local regulations. Observe the label instructions. Once opened, containers must be carefully resealed and stored upright to prevent spillage. The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end uses.

Not available.

SECCIÓN 8

Exposure controls/personal protection.

8.1 Control parameters.

The product does NOT contain substances with Occupational Exposure Limit Values.

The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Engineering measures

Concentration	100 %
Uses	Coolant / Heat transfer fluid in a closed circuit DinaFluid -10°C, -15°C, -20°C, -30°C, -40°C, -55°C, -60°C
Respiratory protection	If the recommended engineering measures are followed, no personal protective equipment is required.
Hand protection	If the product is handled correctly, no personal protective equipment is required.
Eye protection	If the product is handled correctly, no personal protective equipment is required.

Skin protection	
PPE	Work footwear
Characteristics	CE marking Category II.
CEN Standards	EN ISO 13287, EN 20347
Maintenance	These items are molded to the shape of the first user's foot. For this reason, as well as for hygiene reasons, reuse by another person should be avoided.
Observations	Work footwear for professional use incorporates protective elements designed to protect the user from injuries that could be caused by accidents. The workers for whom this footwear is suitable should be reviewed.

SECTION 9

Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Color: Colorless/Slightly yellowish

Odor: Not applicable/Not available due to the nature/properties of the product.

Odor threshold: Not applicable/Not available due to the nature/properties of the product.

Melting point: < 0 °C

Freezing point: -5 to -60 °C (Freezing point methods (BS 4695))

Boiling point/initial point/boiling range: >109 °C

Flammability: Not applicable/Not available due to the nature/properties of the product.

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product.

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product.

Flash point: Not applicable

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product.

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product.

pH: 8.5 - 9.3 (100%) (pH meter/Potential method) (Electrical/Electrometric)

Kinematic viscosity: Between 1 and 3.50 mm²/s

Solubility: Completely in water

Water solubility: Not applicable/Not available due to the nature/properties of the product.

Liposolubility: Not applicable/Not available due to the nature/properties of the product.

Partition coefficient (n-octanol/water) (logarithmic value): Not applicable

Vapor pressure: Not applicable/Not available due to the nature/properties of the product.

Absolute density: Not applicable/Not available due to the nature/properties of the product.

Relative density: 1.10 - 1.27 (Submerged body method (DIN 53217))

Vapor density: Not applicable/Not available due to the nature/properties of the product.

Particle characteristics: Not applicable/Not available due to the nature/properties of the product.

9.2 Other data:

Viscosity: Not applicable/Not available due to the nature/properties of the product.

Explosive properties: Not applicable/Not available due to the nature/properties of the product.

Oxidizing properties: Not applicable/Not available due to the nature/properties of the product.

Dropping point: Not applicable/Not available due to the nature/properties of the product.

Flash point: Not applicable/Not available due to the nature/properties of the product.

% Solids: Not applicable/Not available due to the nature/properties of the product.

SECTION 10

Stability and reactivity.

10.1 Reactivity. The product does not present any reactivity hazards.

10.2 Chemical stability. Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present any possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any type of improper handling.

10.5 Incompatible materials.

Keep away from oxidizing agents and strongly alkaline or acidic materials to avoid exothermic reactions.

10.6 Hazardous decomposition products.

It does not decompose if used as intended.

SECTION 11 Toxicological information.

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

No tested data are available for this product.

a) Acute toxicity;

Data not conclusive for classification.

Acute Toxicity Estimate (ATE):

Mixtures: ATE (Oral) = 40.000 mg/kg

b) Skin corrosion or irritation;

Data not conclusive for classification.

c) Serious eye damage or eye irritation;

Data not conclusive for classification.

d) Respiratory or skin sensitization;

Data not conclusive for classification.

e) Germ cell mutagenicity;

Data not conclusive for classification.

f) Carcinogenicity;

Data inconclusive for classification.

g) Reproductive toxicity;

Data inconclusive for classification.

**h) Specific target organ toxicity (STOT) -
single exposure;**

Data inconclusive for classification.

**i) Specific target organ toxicity (STOT) -
repeated exposure;**

Data inconclusive for classification.

j) Aspiration hazard;

Data inconclusive for classification.

11.2 Information on other hazards.

Endocrine disrupting properties: This product does not contain components with endocrine disrupting properties that affect human health.

Other information: No information is available on other adverse health effects..

SECTION 12

Ecological information.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available regarding the degradability of the substances present.

No information is available regarding the persistence and degradability of the product.

12.3 Bioaccumulation potential.

No information is available regarding the bioaccumulation of the substances present.

12.4 Mobility in soil.

No information is available regarding mobility in soil.

The product must not be allowed to enter sewers or waterways.

Avoid penetration into the ground.

12.5 Results of PBT and vPvB assessment..

No information is available regarding the PBT and vPvB assessment of the product.

12.6 Endocrine-disrupting properties.

This product does not contain components with endocrine-disrupting properties.

12.7 Other adverse effects.

The product is not affected by Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024,

On and ozone-depleting substances. No information is available on other adverse environmental effects.

SECTION 13

Disposal considerations.

13.1 Waste treatment methods.

Disposal into sewers or waterways is not permitted. Waste and empty containers must be handled and disposed of in accordance with applicable local/national regulations.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14

Transport information.

Not hazardous for transport. In case of accident and spillage, act according to section 6.

14.1 UN number or ID number.

Not hazardous for transport.

14.2 UN Proper Shipping Name.

Description:

- ADR/RID: Not hazardous for transport
- IMDG: Not hazardous for transport
- ICAO/IATA: Not hazardous for transport

14.3 Transport hazard class(es).

Not hazardous for transport.

14.4 Packing group.

Not hazardous for transport.

14.5 Environmental hazards.

Not hazardous for transport.

Transport by sea, FEm - Emergency information sheets (F – Fire, S – Spills): Not applicable.

14.6 Special precautions for users.

Not hazardous for transport.

14.7 Transport by sea in bulk according to IMO instruments.

Not hazardous for transport.

SECTION 15

Regulatory information.

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

The product is not covered by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the placing on the market and use of biocidal products.

The product is not affected by the procedure established in Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals.

15.2 Chemical safety assessment.

A chemical safety assessment of the product has been carried out.

SECTION 16 Other information.

Modifications compared to the previous version:

- Removal of precautionary statements/hazard statements/pictograms/signal word (SECTION 2.2).
- Changes in product composition (SECTION 3.2).
- Change in hazard classification (SECTION 11.1).
- Removal of abbreviations and acronyms (SECTION 16).

Classification and procedure used to determine the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]:

- Physical hazards
- Health hazards
- Environmental hazards

According to data obtained from tests

It is recommended to use the product only for the intended uses.

Abbreviations and acronyms used:

CEN: European Committee for Standardization.

PPE: Personal protective equipment

Main bibliographic references and data sources:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878

Regulation (EC) No 1907/2006

Regulation (EU) No 1272/2008

The information provided in this Safety Data Sheet has been prepared in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The information in this Safety Data Sheet is based on current knowledge and applicable EC and national legislation, as the working conditions of users are beyond our knowledge and control. The product must not be used for purposes other than those specified without first receiving written instructions for its handling. It is always the user's responsibility to take appropriate measures to comply with applicable legislation.