



REFRIGERATORI PER FLUIDI
APPLICAZIONI FRIGORIFERE SPECIALI
FLUID COOLERS
SPECIAL COOLING APPLICATIONS

AZIENDA CERTIFICATA

EURO COLD Srl

Via Aldo Moro, 11/E • 41030 Bomporto (MO) Italy

Tel. +39.059.8178138 r.a • Fax +39.059.8170482

P.IVA 02669040368 • Iscr. Reg. Imp. MO-02669040368

Cap. Soc. Euro 153.000,00 i.v.

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Safety Data Sheet

According to (EC) 1907/2006, Art. 31 and (EU) 2020/878

Version n. 2.0, Printing Date 12/09/2023

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade Name: Eurogreen 132 Nano

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

Cooling and lubricating fluid for industrial use.

1.3 Emergency telephone number

Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Cà Granda - Milano) (24h)

Centro Antiveleni di Pavia 038224444 (CAV IRCCS Fondazione Maugeri – Pavia)

Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti – Bergamo)

Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi – Firenze)

Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli – Roma)

Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I – Roma)

Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Caldarelli – Napoli)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition: watery mixture

Classification according to Regulation (EC) No 1272/2008

The substance or mixture is not classified as dangerous

2.2 Label elements

Hazard pictograms: none

Hazard statements: none

Precautionary statements:

2.3 Other hazards

This product contains no substances considered PBT or vPvB. Endocrine disrupting properties Environment: the substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Human Health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH 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

3.1 Mixtures

Chemical name	Nr. Reg. REACH	CE Number	%	Reg. (CE) 1272/2008 [CLP]
Glycerol	-	200-289-5	35-45	-

Substances in nanoform

0.2 - 1.5 % silicon dioxide

REACH No.: no registration number is available for this substance because the substance or its uses are exempt from registration



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Characteristics of the Nanoform	Valore
Particle size distribution:	D50: ≥ 3 nm ≤ 99 nm - Particles are covalently bound in aggregates. The aggregates unite in an unstable manner to form agglomerates. Agglomerates are the particles that make up the product. Size of primary structures: these can only be measured with TEM and their size lies in the 3-99 nm range. As explained, however, these do not occur as isolated particles. Therefore, the content of particles with an aerodynamic diameter ≤ 10 μ m is less than 1%.
Form and proportion:	Spheroidal
Crystallinity:	Crystalline
Surface treatment - Agents:	NO

Other information

Text H - EUH - sentences: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If in doubt or if symptoms occur, contact a doctor.

In case of inhalation: No specific data.

After skin contact: Wash off with plenty of fresh water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water, holding eyelids apart while washing.

After swallowing: wash out mouth with water. Do not induce vomiting. If spontaneously produced, have the person lean forward as far as possible to prevent aspiration of fluid into the lungs. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Information not available.

4.3 Indication of any immediate medical attention and special treatment needed

Get medical advice / attention if symptoms persist.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Agents

Suitable extinguishing media

Product not flammable

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Water solution

5.4 Fire protection equipment

No equipment foreseen

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For those who do not intervene directly: Stop the leak if the operation is risk-free. Keep people safe.

For direct interveners: stop the leak, bearing in mind any information in section 8 on suitable and unsuitable materials.



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6.2 Environmental precautions

Prevent leakage or spillage if this can be done without danger. Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

For containment

Absorb the leak with inert absorbent material and dispose in compliance with local procedures.

For cleaning up

After collecting the leakage, clean the floor with water only.

6.4 Reference to Other Sections

For emergency telephone numbers, see Section 1.

For personal protection, see Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling

Do not swallow. Avoid eyes, skin and personal clothes contact.

Store only in the original container

Firefighting measures

Information not available.

Specific handling requirements

Avoid contact with eyes, skin and personal clothing if possible.

General hygiene instructions

Follow health and safety regulations.

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep in cool storage and closed containers. Keep in original container. Protect against physical damage, frost and direct sunlight

Requirements for storage areas and containers

Information not available.

Storage instructions

Information not available.

7.3 Specific end use(s)

None.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Threshold Limit Value: exposure limit value unknown

Recommended Monitoring Procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere and biological monitoring may be required to determine the effectiveness of ventilation and other control measures and/or the need to use respiratory protective equipment.

DNEL/DMEL

No DNEL/DMEL available

PNEC



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No PNEC available

8.2 Exposure controls

General protective

No special ventilation is required. Good general ventilation should be sufficient to control operators' exposure to air pollutants.

Personal protection

Eye protection: safety goggles in case of splash risk

Skin protection: wear suitable work clothing

Hand protection: nitrile rubber gloves

Respiratory protection: n.a.

Hygiene measures: handle product in accordance with good industrial hygiene practices and safety instructions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: liquid

Colour: clear

Odour: characteristic

pH: > 6

Boiling point: 160°C at 760 mm/mg

Freezing point: -22°C

Flash point: n.a.

Vapour pressure: < 0,1 hPa

Solubility in water: aqueous solution

Relative density: 1.02 gr/ml. at 20 °C

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal handling and storage conditions.

10.2 Chemical stability

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

None

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

None

SEZIONE 11: TOXICOLOGICAL INFORMATION



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11.1 Information on toxicological effects

Acute effects

Acute toxicity: information not available

LD50 Rat (oral): information not reliable

LC50 Rat (inhalation): information not reliable

Irritation and skin damage

Primary skin irritation: No irritant effect except possibly very slight and quickly reversible.

Irritant effect on eyes: No irritant effect except possibly slight and quickly reversible.

Irritation of the respiratory tract: information not available

Sensitisation: according to our data the product is not sensitising

In case of inhalation: information not available

In caso di aspiration: information not available

CMR effects (carcinogenic, mutagenic, toxic for reproduction)

Does not meet the classification criteria

SEZIONE 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute CL50 10 a 100 mg/l, Fish 96h: information not available

Aquatic invertebrates: n.a.

Aquatic plants: n.a.

Bacteria: n.a.

12.2 Persistence and degradability

Easy biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Miscible in water.

12.5 Results of PBT and vPvB assessment

PBT/vPvB not applicable.

12.6 Other adverse effects

No further relevant information available.

12.7 Other eco-toxicological informations:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Smaltimento del prodotto/imballo

Product: Dispose of in accordance with relevant regulations. According to the European Waste Catalogue, waste codes are not product-specific, but application-specific. Waste codes must be assigned by the user, preferably after discussion with the authorities responsible for disposal. Dispose of in accordance with the regulations in force

Waste treatment options

Suitable Disposal/Packaging

The generation of waste should be avoided or minimised wherever possible.

Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not practicable. Do not dispose of the product and container except with due care. Avoid dispersal and runoff of spilled material, contact with soil, water courses, drains and sewers.



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SECTION 14: TRANSPORT INFORMATION

This product is not classified as a dangerous good in any transport regulations

Road transport ADR/RID:

14.1 UN Number

Not dangerous goods within the meaning of transport regulations

14.2 UN proper shipping name

Not dangerous goods within the meaning of transport regulations

14.3 Transport hazard class(es)

Not dangerous goods within the meaning of transport regulations

14.4 Packing group

Not dangerous goods within the meaning of transport regulations

14.5 Environmental hazards

Not dangerous goods within the meaning of transport regulations

14.6 Special precautions for user

Not dangerous goods within the meaning of transport regulations

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

None

SECTION 15: REGULATORY INFORMATION

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

Regulation 878/2020/EU (amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation No.1907/2006/EC (REACH).

Regulation n.1272/2008/EC (CLP) and subsequent adaptations.

Authorisations and/or restrictions on use

No restrictions

National regulations

Italy: Legislative Decree 81/2008 (single text on health and safety in the workplace) and subsequent amendments and Directive 2009/161/EU - chemical risk assessment pursuant to Title IX

15.2 Chemical safety assessment

Not applicable.

SECTION 16: OTHER INFORMATION

16.1 Indications of changes

Regulation (EU) 2020/878

16.2 Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP= Classification, Labelling and Packaging (Regulation (EC) No.1272/2008)



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DNEL= Derived No-Effect Level

EUH= Hazard statement specific to the CLP regulation

PNEC= Predicted No-Effect Concentration

RRN= Registration RECH number

16.3 Important literature references and data sources

None

16.4 Classification of mixtures and assessment methods adopted in accordance with Regulation (EC) No 1272/2008 [CLP].

Calculation method

16.5 Text of H- and EUH- phrases (Number and full text)

16.6 Indication for instruction

16.7 Additional indications

Release

The information contained in this sheet reflects currently available knowledge and it is expected that the product will be used according to the prescribed conditions and in compliance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including use of the product in combination with any other product or in any other process, is the responsibility of the user. It is implied that the user is responsible for establishing safety measures and enforcing legislation covering his activities.