



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
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Safety Data Sheet

According to (EC) 1907/2006, Art. 31
Version n. 1.0, Printing Date 11/01/2019

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.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or 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:

P280: wear gloves/protective clothing/eye/face protection.

2.3 Other hazards

None

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	<50	-

Other information

None

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

Consult an anti-poison center or doctor. Show this safety data sheet to the doctor in attendance.

After eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

After skin contact

Wash the skin immediately with soap and water. Remove contaminated clothing.

After inhalation

No data.

After Ingestion

Do not induce vomiting. If vomiting occurs, the head should be kept low so the stomach vomit doesn't enter the lungs. Wash out mouth with water.



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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.

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.

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.



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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.

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DNEL/DMEL

No DNEL/DMEL available

PNEC

No PNEC available

8.2 Exposure controls

General protective and hygienic measures

As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation at the workplace through effective room aspiration. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working with the product to avoid contact with the skin or mouth.

If personal protection is necessary, use suitable apparatus as personal protective equipment (PPE), for

Eye Protection

Use Protective goggles or safety glasses with side-shields conforming to EN166 whilst handling the product.

Skin protection

Use suitable gloves. Check the condition of the gloves prior to each use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Use impermeable gloves according to the UNI EN 374. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Before use, the protective glove should be tested in any case for its specific work suitability, as it is not predictable. Gloves' limit depends on the duration of exposure.

For the permanent contact in work areas, gloves made of the following material are suitable:

Nitrile rubber (NBR).



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Wear long-sleeved suit and safety footwear for professional use category I (Directive 89/686/EEC and standard EN 344). Wash skin with soap and water, after removing protective clothing.

Respiratory protection

None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | | |
|-------------------------------------|----------------------|---------------------|
| a) Appearance: | Liquid | |
| b) Color: | transparent | |
| c) Odour: | odorless | |
| d) Boiling point (°C, interval): | >100°C | Pressure: 760 mm Hg |
| e) Density/specific gravity (g/ml): | 1.1 at 20°C | |
| f) Vapour Pressure: | 0.01 kPa | |
| g) Solubility description: | miscible with water. | |
| h) Flash Point (°C) | none | |

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

If used and stored according to specifications there are no dangerous reactions with other substances.

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

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



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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

Dispose of in accordance with local authority requirements. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the authorities' responsible for disposal. Packaging material: Packing single use. Collect for saving or disposal.

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.

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

None

14.2 UN proper shipping name

None

14.3 Transport hazard class(es)

None



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14.4 Packing group

None

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

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

The information on the regulations cannot be considered by no means exhaustive. This product and/or its constituents may also be subject to other regulations.

The safety data sheet is under standard rule UE n.453/2010, in replacement of Annex II CEE n. 1907/2006 "Reach".

SECTION 16: OTHER INFORMATION

SAFETY DATA SHEET according to Regulations CE n. 453/2010 and n. 1272/2008

Training advice

In addition to training programs on the environment, health and safety for their workers, companies must ensure that employees read, understand and apply the requirements of this MSDS.

The information on this datasheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his own activities.