

1. Product & Company Identification

Product Identification:

Trade Name:

Isogen Fox 29

Company Identification:

Macler Produtos Químicos Ltda

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2. Hazard Identification

Physical and chemical hazards:

Hazardous to the aquatic environment – Acute, Category 3

Hazardous to the aquatic environment – Chronic, Category 3

Classification System:

According to ABNT NBR 14725-2.

Appropriate labeling elements

Pictogram:



Warning word: Hazard

Hazard Phrases:

H302 Harmful if swallowed

H315 Causes skin irritation

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Phrases:

- P103 – Read the label before using the product
- P102 – Keep out of reach of children
- P101 – If medical advice is needed, have container or label at hand.

Prevention phrases:

- P280 - Wear eye or face protection: Recommended: Safety glasses with side shields.
- P264 - Wash hands thoroughly after handling.

Emergency response:

- P264 Wash hands thoroughly immediately after handling
- P280 Wear protective gloves and eye protection
- P302 + P352 IF ON SKIN: Wash with plenty of water
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses and continue washing
- P321 Specific treatment (see label)
- P332 + P313 If skin irritation occurs: Get medical advice/attention
- P337 + P313 If eye irritation persists, get medical advice/attention
- P362 + P364 Take off contaminated clothing and wash it before reuse.

Other hazards that do not result in classification

Wash hands after handling. May form explosive air-dust mixture if dispersed.

3. Ingredients Information and Composition

This product is a blend.

Chemical Name	Classification GHS	Nº CAS	Concentration (%)
Fatty Glycolic Polyethers	Industrial Secret	Industrial Secret	Industrial Secret

4. First-Aid Procedures

Inhalation:

Move outdoors. If breathing is irregular or stops, give artificial respiration.

Eye contact:

In case of contact with eyes, rinse immediately with plenty of water. If irritation occurs, seek medical attention.

Skin contact:

After skin contact, remove contaminated clothing and flush skin with plenty of water. If irritation occurs, seek medical attention.

Inhalation:

Remove the patient to a well-ventilated place. Free of hazards requiring special first aid procedures.

Ingestion:

If swallowed, do not induce vomiting, rinse mouth with running water, seek medical attention immediately and show this container or label.

Notes to Doctor:

Symptoms and effects are as expected with with hazards listes in section 2. Symptoms realted to specific products are unknown.

Treatment: Treat according to symptoms.

5. Fire Fighting Actions

Appropriate extinguishing methods:

Use CO₂, dry chemical, foam or water extinguisher.

Non appropriate extinguishing methods:

High flow water jet. Adapt firefighting measures to local conditions and the surrounding environment.

Specific hazards of the mixture or substance:

Release of harmful or toxic vapors

Protection measures:

Appropriate protective gloves, safety glasses and protective clothing. Wear self-contained breathing apparatus for fire fighting if necessary.

6. Leaking or Spill Control Actions:

Personal Precautions:

Avoid contact with skin and eyes. Keep away from flames and sparks. Use personal protective equipment.

Environmental precautions:

Do not let this chemical reach the environment. Notify the competent authorities if the product reaches drainage systems or water courses or if it contaminates the soil or vegetation.

Cleaning methods:

Recovery: Collect spillage. Collect and transfer to properly labeled containers. Keep in suitable closed containers until disposal. Contain spill using non-combustible substance, (eg sand, earth, diatomaceous earth, vermiculite) and transfer to an appropriate container for disposal in accordance with local and national regulations (see section 13).

Disposal: Dispose of in accordance with local regulations.

Decontamination/Cleaning: Collect contaminated soil. Clean contaminated floors and objects carefully, observing the regulations regarding the environment. Collect and transfer to properly labeled containers. Keep in suitable closed containers until disposal. Contain spill using non-combustible substance (eg sand, earth, diatomaceous earth, vermiculite) and transfer to an appropriate container for disposal in accordance with local and national regulations (see section 13). Recover the washing water for later disposal.

7. Handling and Storage:

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke in work areas; wash your hands after handling the chemical; remove contaminated clothing and protective equipment before entering eating areas. Use personal protective equipment. Avoid inhalation, ingestion and contact with skin and eyes.

Storage:

Observe all necessary provisions to prevent the product from accidentally leaking into sewers or water courses, in case of rupture of containers or transfer systems. Stable under normal conditions. Store in a dry and cool place. Keep containers tightly closed when not in use. Store in original container. Keep away from heat. Store in a dry, cool and well-ventilated place. Freeze sensitive. If the product becomes frozen, cloudy or dense due to the cold, it must be thawed slowly at a low temperature (no more than 40°C).

Incompatible materials:

Product not classified as dangerous, not requiring special conditions.

8. Exposure Control and Individual Protection

Breath protection:

Wear respiratory protection if dust, vapors or aerosols are generated.

Body and Skin:

Protective gloves. PVC apron and safety shoes.

Eye protection:

Tightly sealed safety glasses.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practices. Keep personal protective equipment in good hygienic conditions. Do not eat, drink or smoke during use. Wash hands before breaks and at the end of the workday.

Control of environmental risks:

Do not let this chemical reach the environment. Build a dam to contain the spilled liquid.

9. Physical and Chemical Properties

Physical State: Solid

Color: White to yellowish

Odor: soft

pH: 2,0-5,0

Melting Point: 65-75°C

Boiling Point/Boiling range: Data not available.

Freezing Point: 65°C.

Flash Point: 170°C

Evaporation Rate: Data not available.

Flammability: Data not available.

Explosivity/Inflammability Limit: Data not available.

Vapor Pressure: Data not available.

Vapor density: Data not available.

Density (25°C): 1,045-1,065 g/cm³

Solubility in water: Soluble

Solubility in other solvents: Data not available.

Partition coefficient - n-octanol/water: Data not available.

Auto-ignition temperature: Data not available.

Decomposition temperature: Data not available.

Viscosity: Data not available.

10. Stability and Reactivity

Chemical stability:

Stable under recommended storage conditions.

Reactivity:

Data not available.

Possibility of Hazardous Reactions:

Data not available.

Conditions to Avoid:

Heat, flames and Sparks.

Incompatible Materials:

Strong acids, strong oxidizing agents.

Hazardous decomposition products:

Data not available.

11. Toxicological Information

Acute oral toxicity:

Oral LD50: > 2,000 mg/Kg.

Species: Mouse.

Acute inhalation toxicity:

Data not available

Acute inhalation toxicity:

Data not available

Serious eye damage/Eye irritation:

Risk of serious eye damage

Skin corrosion/irritation:

Data not available

Respiratory or skin sensitization:

Data not available

Mutagenicity:

Data not available

Carcinogenicity:

Data not available

Reproductive toxicity and lactation:

Data not available.

Systemic target organ toxicity - Single exposure:

Data not available

Specific target organ systemic toxicity - Repeated exposure:

Data not available

Aspiration hazard:

Data not available

12. Ecological Information

Ecotoxicity:

Data not available.

Persistence and degradability:

Product is completely biodegradable. BOD5: > 60% of theory. In the environment (running water) it can be completely degraded in 2 days. Therefore, there is a risk of rapid reduction of dissolved oxygen, which may make the medium toxic to fish and other aquatic organisms, even at low concentrations.

Bioaccumulation potential:

Not expected to accumulate in the environment.

Mobility on the ground:

Data not available

Other adverse effects:

Data not available

13. Treatment and Disposal Considerations

Method of treatment and disposal:

Product: Dispose of in accordance with local regulations.

Product remains: The same as indicated for the product.

Packaging: Properly dispose as waste or send for recovery at accredited companies.

14. Transport Information

Land Transportation (Brazil):

According to the regulation of land transportation of dangerous products approved by Resolution No. 5,947 of June 1, 2021 this product is not considered classified and is not in the table of classified products.

Waterway

DPC -Directorship of Ports and Coasts (Carry forward in Brazilian Waters)

Maritime Authority Standards (NORMAM)

NORMAM 01 / DPC: Vessels Employed in the navigation in open Sea

NORMAM 02 / DPC: Vessels Employed in the Inland Navigation

IMO – International Maritime Organization

International Maritime Dangerous Goods Code (IMDG Code)

Air

ANAC – National Civil Aviation Agency – Resolution No. 129 of December 8, 2009

RBAC No. 175 – (BRAZILIAN CIVIL AVIATION REGULATION) -TRANSPORT OF HAZARDOUS ARTICLES IN CIVIL AIRCRAFT IS N° 175-001 – ADDITIONAL INSTRUCTION – IS

ICAO – International Civil Aviation Organization – Doc 9284-NA/905

IATA – International Air Transport Association

Dangerous Goods Regulation (DGR)

ONU Number

Non – dangerous goods.

15. Regulations

Applicable Standards: Globally Harmonized System for Classification and Labeling of Chemicals, UN.

16. Further Information

Other Important Information:

The product must be stored, handled and used in accordance with proper industrial hygiene practices and in compliance with legal regulations. The present information is based on our present state of knowledge and our intention is to describe our products from the point of view of safety requirements. We do not suggest or warrant that the properties and hazards listed here are the only ones that exist.