

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : Europox ZY B-component

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Industrial use, Professional use
Use of the substance/mixture : Coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Eurostep Poland Sp. z o.o.
95-054 Ksawerów
ul. Tymiankowa 37/39
info@eurostep.pl - www.eurostep.pl

1.4. Emergency telephone number

Emergency number : + 91 2662 221587
This number is serviced during office hours.

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation 1272/2008 (CLP)
Skin Effect Category 2, H 315 Causes skin irritation.
Serious Eye irritation Category 1, H 319 Causes serious eye irritation.
Sensitization, skin Category 1, H 317 May cause an allergic skin reaction.
Sensitization, Respiratory Category 1, H 334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Label Elements according to Regulation 1272/2008 (CLP)
Hazard pictograms/symbols



GHS08 GHS07

Signal Word: Danger

Hazard-determining components of labeling: Ethylene diamine.

Hazard Statements

H 315 Causes skin irritation.
H 317 May cause an allergic skin reaction.
H 319 Causes serious eye irritation.
H 334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Irritant



May cause sensitization by inhalation and skin contact

2.2. Label elements

GHS label elements

This product is classified and labeled according to the Globally Harmonized System (GHS).

Classification system:



NFPA ratings (scale 0 - 4)

Health = 1

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1

Fire = 1

Reactivity = 0

Precautionary Statements

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection / face protection.

P284 In case of inadequate ventilation wear respiratory protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P321 Specific treatment (see on this label).

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Corrosive, harmful if in contact with skin. Harmful if swallowed.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances. Directive 67/548/EEC.

3.2 Mixtures

Name	Product Identifier	Conc. (%w/w)
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Chemical Name	Classification according to CLP	% by Weight
1. Ethylene diamine. CAS No. 107-15-3 EC No. 203-468-6 REACH Reg. No. 01-2119480383-37-0008	C R34; Xn R21/22; Xn R42/43 R10 Flam. Liq. 3, H 226; Resp. Sens. 1, H 334; Skin Corr. 1B, H 314; Acute Tox. 4, H 302; Acute Tox. 4, H 312; Skin Sens. 1, H 317	0.1 – 0.5

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation: Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self contained Breathing apparatus. Keep the person warm and at rest. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or Oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention.

After skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse with water at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

After eye contact: Immediately flush eyes with plenty of clean water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

After Ingestion: Wash out mouth with water. Remove dentures if any. Move the person to fresh air. Keep the person warm and at rest. If material has been swallowed and the affected person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so as to vomit does not enter the lungs. Get immediate medical attention if adverse health effect persists. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Loosen tight clothing such as a collar, Tie, Belt or Waistband. Protection for no action shall be taken involving any personal risk or without first aiders suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth respiration

SECTION 5: Firefighting measures

Suitable extinguishing agents: Use dry chemical CO₂, Water Spray or Foam. Advice for firefighters Promptly isolate the scene by removing all person from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk/without suitable training. Special PPE for Fire-fighters. Fire-fighters should wear appropriate protective equipment and self fire fighters contained breathing apparatus (SCBA) operated in positive pressure.

SECTION 6: Accidental release measures

Personal Precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding area. Do not touch or walk through spilt material. Shut off all the ignition sources. No flares, smoking or flames in hazardous area. Provide adequate ventilation. Put on appropriate personal protective equipments. Environmental avoid dispersal of spilt material and runoff and contact with soil, precautions waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Methods of cleaning: Stop leak without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, Basements or confined areas. Wash spillages into effluent treatment plant or proceed as follows. Contain and collect spillage with non combustible, absorbent material e.g. sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations. Use spark-proof tools and explosion-proof equipments. Dispose via licensed waste disposal contractor. Contain and collect spillage with an electrically protected vacuum cleaner or by wet brushing and place in a container for disposal according to local regulations.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

SECTION 7: Handling and storage

Handling: Put on appropriate personal protective equipment Eating drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating or drinking. Avoid contact with eyes and skin. Use only with adequate ventilation. Do not enter confined spaces unless adequately ventilated. Keep in original container. Keep the container tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring the material. Empty containers may retain product residue and should be disposed according to local regulations.

Storage: Store in original container protected from direct sunlight in a dry cool and well-ventilated area, away from incompatible materials and food—

and drink. Eliminate all the ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredient Name Exposure Limits SWA (Australia,8/2005). Ethylene diamine Skin sensitizer TWA: 25 mg/m³ 8 hour TWA: 10 ppm 8 hours

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

Engineering Measures: Use only with adequate ventilation. Use process exposures, local exhaust ventilation or other engineering controls to keep worker exposure to air born contaminants below any recommended or statutory limits. The engineering controls also need to keep gas vapor or dust concentrations below any lower explosive limits. Use explosive-proof ventilation equipment.

Hygiene Measures: Wash hands, fore arms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to work station location.

Personal Protection:

Eyes: Safety eye wear, goggles, complying with approved standard used.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn all the times when handling chemicals.

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying approved standard. Respirator selection must be based on known or anticipated exposure levels and hazard of the products.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Environmental: Emissions from ventilation or work process equipment should be exposure controls checked to ensure they comply with the environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State: Viscous Liquid

Colour: Amber

Odour: Ammonia like.

Density at 25 oC (ASTM 1475): 0.98 – 1.0 g/cm³

Flash Point 103 °C

Solubility: Insoluble in water.

Viscosity at 25 oC(ISO 12058):

500 – 1500 m Pas. NVM % > 98

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Decomposition products are Carbon Monoxide, Carbon, Decomposition Dioxide, smoke, Oxides of Nitrogen Products

10.4. Conditions to avoid

Keep away from heat, sparks, flames and direct sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Keep away from the following materials to prevent strong Hazard reactions exothermic reactions – Oxidizing agents, strong acids and alkalis

SECTION 11: Toxicological information

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

There is no data available on preparation itself. The preparation has been assessed. Following the conventional method of the Dangerous Preparation directives 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Exposure to component vapour concentrations in excess of stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and nervous system. Solvents may cause some of the above effects by absorption through skin. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in some extreme cases, loss of consciousness. Repeated or prolonged contact with preparation may cause removal of natural fat from the skin, resulting in non allergic contact dermatitis and absorption through skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Swallowing may cause nausea, diarrhea, vomiting, gastro- intestinal irritation and chemical pneumonia.

Contains ethylene diamine, may produce allergic reaction.

Potential acute health effects

Inhalation: Harmful by inhalation.

Ingestion: Irritating to mouth, throat and stomach

Skin: contact Harmful in contact with skin. Irritating to skin.

Eye contact Irritating to eyes.

Acute toxicity: LD/LC50 values relevant for classification: Irritating to eyes and skin.

107-15-3 Ethylene diamine

Oral: LD50 500 mg/kg (rat)

Dermal LD50 730 mg/kg (rabbit)

Inhalative LC50/4 h 0,3 mg/l (mouse)

Potential chronic health effects:

Carcinogenicity Not known significant effects or critical hazards.

Mutagenicity Not known significant effects or critical hazards.

Reproductive Effect Not known significant effects or critical hazards.

Over Exposure Symptoms:

Inhalation No known significant effects or critical hazard.

Ingestion No known significant effects or critical hazard.

Skin No known significant effects or critical hazard.

Target organs: Contains material which causes damage to the following organs. Eye, Lens or Cornea. Contains material which may cause damage to the following organs Mucous Membranes, Upper Respiratory tract, Skin.

SECTION 12: Ecological information

12.1. Toxicity

There is no data available on the preparation itself. Do not allow to enter drains or watercourse.

Ingredient Species Period Result

Ethylene diamine Scenedesmus subspicatus(LC50) 48 hour (s) >100mg/l

Pimephales promelas (LC 50) 96 hour (s) 115.7mg/l

Pimephales promelas (LC 50) 96 hour (s) 220mg/l

Poecilia reticulata (LC 50) 96 hour (s) 275mg/l

Poecilia reticulata (LC 50) 96 hour (s) 1544.7mg/l

Other Ecological Information:

Persistence / Degradability: No known significant effects or critical hazards.

Bio accumulative Potential: No known significant effects or critical hazards.

Other adverse affects: No known significant effects or critical hazards.

Europox ZY B-Component

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Method of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident

International Transport Regulations: Proper shipping Name: Not regulated as dangerous goods UN Number: Non-hazardous for transport Class: Non-hazardous for transport Packing group: Non-hazardous for transport Additional Information: ADG Proper shipping Name: Not regulated as dangerous goods IMDG Non-hazardous for transport Transport in accordance with ADR/RID, IMDG/IMO/ICAO/IATA. Proper shipping Name: Not regulated as dangerous goods

UN Number: Not applicable Class: Non-hazardous for transport Packing group: Non-hazardous for transport

SECTION 15: Regulatory information

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

National regulations: Standard for Uniform Scheduling of Drugs and Poisons. 5 Control of Scheduled Carcinogenic Substances: No listed substance Additional warning: Contains Ethylene Diamine, may produce skin irritation

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Ensure all national /local regulations are observed. Relevant phrases H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. R10 Flammable. R21/22 Harmful in contact with skin and if swallowed. R34 Causes burns. R42/43 May cause sensitization by inhalation and skin contact. R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact

Disclaimer: The information contained herein is accurate to the best of our knowledge. However, neither the manufacturer, supplier nor its subsidiaries, assures any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of the material(s) is the sole responsibility of the user. All the material may present unknown hazard and should be used very carefully. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist