

# SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**POXIPOL® METALICZNY**

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

Relevant identified uses: glue for consumer use.

Uses advised against: not determined.

### 1.3 Details of the supplier of the safety data sheet

Importer: **Bripox Sp. z o.o.**

Address: Al. Jerozolimskie 181A, 02-222 Warszawa, Poland

Telephone number: +48 (22) 868 26 14

E-mail address for a competent person responsible for SDS: bripox@bripox.pl

### 1.4 Emergency telephone number

112

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Irrit. 2 H319, Aquatic Chronic 2 H411**

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

Hazard pictograms and signal words



**WARNING**

Substances which influenced product classification

Contains: reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

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

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

P337+P313 If eye irritation persists: Get medical advice/ attention.

P501 Dispose of contents/container to properly labelled waste containers according to national law.

### 2.3 Other hazards

The substances contained in the product do not meets criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

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The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

CAS number: 25068-38-6 EC number: 500-033-5 Index number: 603-074-00-8 REACH number: -	<u>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700)</u> Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Irrit. 2 H319, Aquatic Chronic 2 H411 <u>Specific concentration limits:</u> Skin Irrit. 2 H315: C $\geq$ 5 % Eye Irrit. 2 H319: C $\geq$ 5 %	~ 30 %
CAS number: 471-34-1 EC number: 207-439-9 Index number: - REACH number: -	<u>calcium carbonate</u> substance is not classified as hazardous	< 25 %
CAS number: 7429-90-5 EC number: 231-072-3 Index number: 013-001-00-6 REACH number: -	<u>aluminium powder (pyrophoric)</u> <sup>1)</sup> Pyr. Sol. 1 H250, Water-react. 2 H261	< 19 %
CAS number: 90-72-2 EC number: 202-013-9 Index number: 603-069-00-0 REACH number: -	<u>2,4,6-tris(dimethylaminomethyl)phenol</u> Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Irrit. 2 H319	< 3 %

1) Substance with established occupational exposure limits defined in Great Britain.  
Full text of each relevant H phrase is given in section 16 of SDS.

## Section 4: First aid measures

### 4.1 Description of first aid measures

Skin contact: take off the contaminated clothing. Wash a contaminated skin with water and soap. Do not use solvents or thinners. Consult a doctor, if disturbing symptoms occur.

Eye contact: consult an ophthalmologist, if disturbing symptoms occur. Protect non-irritated eye, remove contact lenses. Wash out an contaminated eye thoroughly with plenty of water for at least 15 min. Avoid strong stream of water - the risk of corneal damage.

Ingestion: consult a doctor, if disturbing symptoms occur, show a container or label. Never give anything to drink to an unconscious person. Do not induce vomiting.

Inhalation: consult a doctor, if disturbing symptoms occur. Remove the victim to fresh air, keep warm and calm.

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

Skin contact: redness, dryness, irritation, allergic reactions.

Eye contact: pain, tearing, redness, irritation.

Ingestion: possible irritation of the mucous membranes of the digestive system with the following symptoms: abdominal pain, nausea, vomiting, diarrhea.

Inhalation: possible irritation of the respiratory tract, coughing, sneezing, headache, sore throat, nasal pain.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.  
Symptomatic treatment.

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## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: carbon dioxide, extinguishing powder, foam, water spray.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

### 5.2 Special hazards arising from the substance or mixture

During the fire, may produce harmful gases consisting of nitrogen oxides, carbon oxides and other unidentified thermal decomposition products. The formation of other harmful gases cannot be excluded. Do not inhale combustion products, may cause health risk.

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without protective clothing resistant to chemicals and self-contained breathing apparatus. In case of fire cool endangered containers with water fog from safe distance. Collect used the extinguishing media. Do not let them to enter sewage system, surface water and ground water.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Wear personal protective equipment. Avoid eyes and skin contamination. Ensure adequate ventilation. Do not pass over spilled material.

### 6.2 Environmental precautions

Do not allow to enter the sewage system, surface water and groundwater. In case of a release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

### 6.3 Methods and material for containment and cleaning up

Collect released material mechanically and place in properly labeled container. Treat as a waste and transfer for utilization. Clean the contaminated place.

### 6.4 Reference to other sections

Personal protective equipment – see section 8. Appropriate conduct with waste product – see section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Avoid eyes and skin contamination. Before break and after work wash hands carefully. Keep the unused containers tightly closed. Ensure adequate ventilation. Do not re-use used containers.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers only in original containers in a dry, cool and well-ventilated place. Store away from sources of ignition and heat. Avoid direct sunlights. Do not smoke. Do not store with food, beverages or feed for animals. Do not store with incompatible materials (see subsection 10.5). Protect against moisture. Avoid temperature above 150 °C.

### 7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Product does not contain components with occupational exposure limit values established on the European Union level. Please check also any national occupational exposure limit values in your country.

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Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

## Recommended control procedures

Procedures Concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace - if they are available and Justified for the position - in Accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

## **8.2 Exposure controls**

### Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Before break and after work wash hands carefully. Avoid contact with skin and eyes. Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

### Hand and body protection

Use protective gloves resistant to the product in accordance with EN 374. Recommended material for gloves: rubber or another material that provides a satisfactory level of protection. Wear protective clothing resistant to the product according to EN ISO 13982.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed. It is recommended to change protective gloves regularly and replace them immediately if any signs of their wear, damage or changes in appearance (colour, flexibility, shape) occur.

### Eye protection

Wear tightly fitting protective glasses in accordance with EN ISO 16321-1:2022-10 in case of risk of eye contamination.

### Respiratory protection

In case of sufficient ventilation, it is not required. In case of emergency use properly selected respiratory protection according to EN 136.

### Thermal hazards

Do not occur.

### Environmental exposure controls

Do not allow large amounts of the product to enter groundwater, sewage system, sewage or soil. Uncontrolled release of the product into the environment should be reported to appropriate authorities in accordance with national and local regulations.

## **Section 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical state:	solid/ paste
Colour:	grey
Odour	faint, characteristic for epoxy compounds
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not applicable
Flammability:	not determined
Lower and upper explosion limit:	not determined
Flash point:	not applicable

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Auto-ignition temperature:	not determined
Decomposition temperature:	ca. 150 °C
pH:	not applicable
Kinematic viscosity:	not applicable
Solubility:	insoluble in water
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	not determined
Density and/or relative density:	1.5
Relative vapour density:	not determined
Particle characteristics:	not applicable

## 9.2 Other information

No additional test results.

## Section 10: Stability and reactivity

### 10.1 Reactivity

The product is reactive. See also subsections 10.3-10.5.

### 10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

### 10.3 Possibility of hazardous reactions

The product may polymerize with release of heat.

### 10.4 Conditions to avoid

Avoid heat sources, flame, direct sunlights, temperature above 150 °C.

### 10.5 Incompatible materials

Bases, amines, strong oxidants, acids, resins.

### 10.6 Hazardous decomposition products

Not known.

## Section 11: Toxicological information

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

Information on acute and / or delayed effects of exposure has been determined based on information about the product classification and / or toxicological tests as well as the manufacturer's knowledge and experience.

#### Acute toxicity

The acute toxicity estimate (ATE<sub>mix</sub>) for the classification of a substance in a mixture was determined using the appropriate conversion value from Table 3.1.2 in Annex I to CLP as amended.

ATE<sub>mix</sub> (oral) > 2000 mg/kg

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

May cause an allergic skin reaction.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

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## Reproductive toxicity

Based on available data, the classification criteria are not met.

## STOT-single exposure

Based on available data, the classification criteria are not met.

## STOT-repeated exposure

Based on available data, the classification criteria are not met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

## Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation, ingestion. See subsection 4.2 for more information on the effects from each possible route of exposure.

## Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2.

### **11.2 Information on other hazards**

#### Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

#### Other information

Not applicable.

## **Section 12: Ecological information**

### **12.1 Toxicity**

Toxic to aquatic life with long lasting effects.

### **12.2 Persistence and degradability**

No data.

### **12.3 Bioaccumulative potential**

No data.

### **12.4 Mobility in soil**

Mobility of components of the mixture depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

### **12.5 Results of PBT and vPvB assessment**

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

### **12.6 Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

### **12.7 Other adverse effects**

The mixture is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, global warming potential).

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## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store residues in original containers. Do not empty into drains. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse / recycle / liquidate empty containers in accordance with the local legislation. Only completely emptied packaging can be recycled. Waste code should be given in the place of waste formation.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

## Section 14: Transport information

### 14.1 UN number or ID number

UN 3077

### 14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

### 14.3 Transport hazard class(es)

9

### 14.4 Packing group

III

### 14.5 Environmental hazards

The product is classified as hazardous for the environment according to transportation regulations.

### 14.6 Special precautions for user

Wear personal protective equipment in accordance with section 8. If any substances have leaked and been spilled in a vehicle or container, it may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected or decontaminated. Any other goods and articles carried in the same vehicle or container shall be examined for possible contamination.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

## Section 15: Regulatory information

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

Directive **2004/37/EC** Of The European Parliament and Of The Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work (Sixth individual Directive within the meaning of Article 16(1) of Council Directive 89/391/EEC) as amended.

**2000/39/EC** Commission Directive of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work as amended.

Council Directive **98/24/EC** of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) as amended.

**91/322/ECC** Commission Directive of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work as amended.

**ADR** Agreement concerning the International Carriage of Dangerous Goods by Road.

**IMDG** Code International Maritime Dangerous Goods Code

**IATA** Dangerous Goods Regulations

**1907/2006/EC** REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (as amended).

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**1272/2008/EC** REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (as amended).

**2020/878/EU** COMMISSION REGULATION 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.

**2008/98/EC** DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives (as amended).

European Parliament and Council Directive **94/62/EC** of 20 December 1994 on packaging and packaging waste as amended

**2016/425/EU** REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

## 15.2 Chemical safety assessment

Chemical safety assessment is not required for the mixture.

## Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H250	Catches fire spontaneously if exposed to air.
H261	In contact with water releases flammable gases.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Harmful to aquatic life with long lasting effects.

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Acute Tox. 4	Acute toxicity - category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic - category 2
Eye Irrit. 2	Eye irritation - category 2
Skin Irrit. 2	Skin irritation - category 2
Skin Sens. 1	Skin sensitization - category 1
Water-react. 2	Substance or mixture which in contact with water emits flammable gas category 2

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. People associated with transport of hazardous materials in accordance with ADR should be adequately trained for their job responsibilities (general training, bench and safety).

Key literature references and data sources

This SDS was prepared on the basis of sheet provided by the manufacturer, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

Procedures used to classify of the mixture

Classification was made on the basis of physicochemical data of the mixture and content of the hazardous substances by calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

Additional information

Date of update:	30.05.2025
Version:	2.1/EN
Changes:	section: 1,8,11,15,16
Safety Data Sheet made by:	<b>THETA</b> Consulting Sp. z o.o. (based on manufacturer's data)

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.