

Safety data sheet

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According to 1907/2006/EC (REACH), 453/2010/EU, 2015/830/EU

POLYMER GLUE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **POLYMER GLUE****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: glue.

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

ProXY-Ukraine Ltd.

37, Aeroport, Dnepropetrovsk, Ukraine

tel/fax: +38(056)3758515

<http://proxy-ukraine.com>**1.4 Emergency telephone number:**

112

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

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Flam.Liq. 2; H225; H301; H311; H331; H370

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms:



GHS02



GHS03



GHS01

Signal word: **Danger**

Hazard statements:

H225 Highly flammable liquid and vapor H301 - Toxic if swallowed

H311 Toxic in contact with skin H331 - Toxic if inhaled

H370 Causes damage to organs

The precautionary statements:

P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking. P233 Keep container tightly closed.

P261 Avoid inhalation of vapors.

P264 Wash hands thoroughly after use.

P270 Do not eat, drink or smoke when using this product. P271 - Use outdoors or in a well-ventilated area.

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

P301+P310 If swallowed: Immediately call a poison center or medical.

P302+P352 If you get on skin: Wash with plenty of soap and water.

P303+P361+P353 In case of contact with skin (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+P340 If you get into the respiratory tract: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P330 - Rinse mouth.

P370+P378 In case of fire: Use appropriate extinguishing. Do not use a blanket of foam, because foam lack stability in contact with liquids such as ethanol polarized.

P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 - Keep locked.

P403+P235 Store in a well-ventilated place. Store in a cool place. P501 - Contents / container to hazardous waste storage.

2.3 Other hazards

Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Mixtures

Mixture of substances listed below with nonhazardous additions.

Hazardous components:

Name	Content %	CAS number	Index number	EC number	Classification
Methyl alcohol	63 - 66	67-56-1	603-001-00-X	200-579-6	FR11; T R23/24/25; R39/23/24/25

SECTION 4: First aid measures

4.1 Description of first aid measures

if inhaled:

Move affected person from exposure, keep warm and at rest. Seek medical attention.

in case of skin contact:

Remove patient from exposure. Remove contaminated clothing and shoes. Rinse skin with plenty of running water with soap. The skin lesions seek medical advice.

in case of eye contact:

Immediately flush eyes with plenty of cool, running water with eyelids rolled up for at least 15 minutes. Remove contact lenses, if not adhered to the eye. Provide assistance ophthalmological.

if swallowed:

Immediately after ingestion give to drink 100ml of vodka (40% aqueous ethanol). In any case of ingestion, it is necessary to transport by ambulance to the hospital. Show the container or the label.

attention:

In all cases, the appearance of distressing symptoms, or any doubt, you should seek medical advice.

notes for a doctor

The effects delayed appearance of - Medical observation is indicated. Latency period is from 6 to 24 hours depending on the amount of intake.

Inform about fire. Remove from the danger zone all persons not involved in the emergency. Call for 112.

Alcohol vapors knock off streams of dispersed water.

SECTION 5: Firefighting measures

5.1 Firefighting measures Recommended firefighting measures:

Dry chemical, carbon dioxide (extinguishers snow), sand, Alcohol foam, water - streams dispersed. The measures appropriate for the burning material in the vicinity.

Inappropriate firefighting measures:

Not specified.

5.2 Special hazards arising from the substance or mixture

Hazardous areas. Methanol vapor are toxic.

5.3 Advice for firefighters

Gas-tight protective clothing with self contained breathing apparatus.

Inform about the leak. Evacuate the danger area bystanders. Breakdown must be located as soon as possible and liquidated. Call for 112.

ATTENTION: Hazardous areas. Methanol vapor are toxic.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid direct contact with the product.

Wear protective clothing, gloves, boots, breathing apparatus.

Eliminate sources of ignition - no smoking, no open fire, do not use sparking tools (inflammable, vapor form explosive mixtures with air).

6.2 Environmental precautions

Prevent product from entering drains, surface and ground water - protect sink basins.

6.3 Methods and materials for containment and cleaning up

6.3.1 Preventing the spread of contamination:

If possible, stop the leak - close liquid flow, seal, damaged container put in an emergency container.

6.3.2 Removal of contamination

For large spills place where the liquid accumulates gathered pump out. Small spills cover with non-combustible absorbent material (eg sand), put in a closed container, disposed of in accordance with the provisions. Contaminated area wash with water. Washings do not enter directly into the sewer.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Do not eat and do not drink after using of product. Wear appropriate safe clothes.

Avoid direct contact with the product. Avoid breathing vapors.

Do not use sparking tools.

Take precautionary measures against static discharges. Use proper ventilation of the working area.

7.2 Conditions for safe storage, including any incompatibilities

Storage with mechanical ventilation, explosion-proof electrical system, without heating. Non-absorbent floor, tight and smooth. The walls easily washable.

Keep away from sources of ignition - no smoking.

Store in tightly closed containers in a standing position with the lock up, ventilated areas at a temperature below 25°C. Protect containers from heat and warming up. Keep away from food, drink or feed.

Policy defines the standard storage PN-89/C-81400

Substances which react dangerously

Strong oxidizers.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Methyl alcohol (methanol):

NDS - 100 mg/m³ NDSC_h - 300 mg/m³ NDSP - not specified.

8.2 Exposure controls

Exposure assessment methods:

Methods for assessing the exposure based on the determination of the alcohol content of the atmosphere at the working area.

Polish Safety Standards:

PN-81/Z-04028.00 Ochrona czystości powietrza. Badania zawartości alkoholu metylowego. Postanowienia ogólne i zakres normy.

PN-81/Z-04028.01 Ochrona czystości powietrza. Badania zawartości alkoholu metylowego. Oznaczenie zawartości alkoholu metylowego na stanowiskach pracy metodą chromatografii gazowej.

8.2.1 Appropriate engineering controls

Provide ventilation and in storage. Electrical equipment in explosion-proof.

8.2.2 Personal protective equipment

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Use equipment for eye protection. Handle with gloves. Use respiratory protection in a poorly ventilated and ruthlessly when working with the product for more than two hours, regardless of the ambient air.

Wash hands before breaks and after work. When using do not drink, do not eat or smoke.

ATTENTION: Used personal protective equipment must comply with the provisions of law in force in the country.

When the concentration of the substance is known, personal protection should be made taking into account the concentration of the substance occurring in the workplace, exposure time and the activities performed by the employee. In an emergency, if the concentration of the substance in the workplace is not known, use personal protective equipment recommended for the highest degree of protection.

The employer shall ensure that the used personal protective equipment, clothing and shoes have protective properties and shall assure adequate washing, maintenance, repair and decontamination.

It is recommended to carry out preliminary tests and periodic tests of.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: viscous liquid Colour: transparent
Odour	aromatic
Odour threshold	No data available
pH	No data available
Melting point/freezing point	Not specified
Initial boiling point and boiling range	64,7°C (boiling point of methanol)
Flash point	11°C (flash point of methanol)
Evaporation rate	No data available
Flammability (solid, gas)	Highly flammable
Upper/lower flammability or explosive limits	Upper explosive limits of methanol - 5,5% vol. Lower explosive limits of methanol - 36,5% vol.
Vapour pressure	120 hPa at temp. 20°C (for methanol) 150 hPa at temp. 50°C (for methanol)
Vapour density	1,11 (for methanol)
Relative density at 23°C	0,94 g/cm ³
Water solubility	Insoluble

Solubility in other solvents	Soluble in most organic solvents such as ethanol, ethyl ether
Partition coefficient n-octanol/water	- 0,82 / - 0,66 (for methanol)
Autoignition temperature	455°C (autoignition temperature of methanol)
Decomposition temperature	No data available
Viscosity (Brookfield)	18 000 - 25 000 mPa·s
Explosive properties	No data available
Oxidizing properties	Doesn't apply
Dry substance content	34 - 37%

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

The product is stable under normal conditions of use and storage. Product is hygroscopic

10.3 Possibility of hazardous reactions

Reacts with strong oxidants

Explosion risk in case of contact with alkali metals, aluminum and chlorine.

10.4 Conditions to avoid

Open flames, ignition sources, heat, moisture.

10.5 Incompatible materials

Acid halides, alkali metals, alkaline earth metals, oxidizing agents (hydrogen peroxide, perchlorate, perchloric acid, salts of halogen oxygen acid, chromic anhydride, halogen oxides, nitric acid, nitrogen oxides, nonmetallic oxides, chromosulfuric acid), hydride, diethylzinc, halogens.

10.6 Hazardous decomposition products

As a result of combustion in the presence of oxygen produced formaldehyde and carbon dioxide.

The deficiency of oxygen: carbon monoxide, soot, degradation products (aldehydes, ketones, hydrogen). UV rays accelerate the formation of formaldehyde.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Concentrations and dose lethal and toxic of methyl alcohol (contained in the product):

LD50 rat, orally - 5 628 mg/kg

LD50 rabbit, skin - > 20 000 mg/kg

LD50 rat, inhalation - 64 000 mg/l 4 h

LD50 human, orally - 143 mg/kg

The lethal dose of methanol for humans is 30 - 250 ml, although was observed deaths after drinking 15 ml and cases cured after drinking 600 ml.

The odor threshold of methanol: 2600 - 11700 mg/m³.

Skin corrosion/irritation

May cause irritation, redness, dry skin.

Methanol can be absorbed through the skin.

Serious eye damage/eye irritation

Can cause pain and watery eyes, irritation of the conjunctiva.

Respiratory or skin sensitization

Inhalation may cause coughing, headache, dizziness, nausea, blurred vision. At high concentrations of methanol vapor are toxic. May cause irritation of the mucous membranes. The concentration of the toxic methanol is above 10000 mg/m³.

Swallowed

As a result of swallowing may experience the following symptoms: abdominal pain, vomiting, weakness, loss of consciousness may occur. Methanol is a toxic substance when administered orally by the action of metabolites of the asymptomatic period of several hours. Drinking methanol causes the symptoms of being intoxicated with ethanol. Then, after a few to several hours, methanol metabolites induce metabolic acidosis, accompanied by: central nervous system damage (loss of consciousness, seizures, brain edema), damage to the optic nerve (blurred vision to complete blindness), circulatory disorders (heart rate, cardiac, an increase and then decrease in blood pressure, collapse), the possibility of pulmonary edema. A dose of 10 ml of methanol may cause death. The consequence of poisoning by ingestion is loss of vision, myocardial injury, acute renal failure.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

Irritation of the eyes, skin and respiratory system. There may be disorders of the central nervous system. Exposure to methanol can cause blindness. The effects may be delayed - medical observation is indicated.

Specific target organ toxicity - repeated exposure

There may be damage to the central nervous system, kidneys and heart. Prolonged contact may cause dermatitis. There may be disorders of the central nervous system, which could result in persistent or recurrent headaches and blurred vision.

Aspiration hazard

No data available.

SECTION 12: Ecological information

12.1 Toxicity

For methyl alcohol:

- fish (*Limnea macrochirus*) - LC50 15 400 mg/l (96 hours)
- daphnia (*Daphnia magna*) - LC50 > 10 000 mg/l (48 hours)
- algae (*Scenedesmus quadricauda*) - IC5 > 8000 mg/l (8 days)
- bacteria (*Pseudomonas putida*) - EC5 6600 mg/l (16 hours)
- protozoa (*Entosiphon sulcatum*) - EC5 > 10 000 mg/l (72 hours).

12.2 Persistence and degradability

For methyl alcohol:

BZT 76% TeorZT/ 5 days (closed bottle test).

Readily biodegradable (reducing the amount of dissolved organic carbon > 70%). The concentration of methane fermentation interference threshold: 800mg/dm³. The concentration of disrupting biological treatment: 200mg/dm³.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Prevent product in the form of concentrates or large quantities to enter drains.

Prevent product from entering the water without prior treatment of biological wastewater treatment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods Product

Wastes must be dumped or incinerated in accordance with local regulations.

A waste code in accordance with the European waste catalog (EC) cannot be specified, due to dependence on the usage.

Contaminated packaging

Dispose of as unused product.

Packaging and transport provision relating to the carriage of dangerous goods.

SECTION 14: Transport information

14.1 UN number (ONZ number)

ADR/RID: 1992

IMDG: 1992

IATA: 1992

14.2 UN proper shipping name

ADR/RID: Flammable liquid toxic material, I.N.O. (contains methanol). IMDG: Flammable liquid toxic material, I.N.O. (contains methanol).

IATA: Flammable liquid toxic material, I.N.O. (contains methanol).

14.3 Transport hazard class(es)

ADR/RID: 3

IMDG: 3

IATA: 3

14.4 Packaging group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards

ADR/RID: 336

14.6 Special precautions for user

No data available.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 15: Regulatory information

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

No data available.

15.2 Chemical safety assessment

No data available.

Date of previous issue

List of R phrases mentioned in Section 3 in safety data sheet

R11	Highly flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R39/23/24/25	Toxic by inhalation, in contact with skin and if swallowed; danger of very serious irreversible health.

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.