

Material Safety Data Sheet In accordance with the Resolution (EU) No. 1907/2006	EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST"	Total pages 6
		Pages 1 Version 1.0

1. IDENTIFICATION OF CHEMICAL PRODUCTS AND INFORMATION ON THE MANUFACTURER AND/OR SUPPLIER

Technical name	EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST".
Brief recommendations for use	<p>Designed for:</p> <ul style="list-style-type: none"> - bonding when laying mosaics and tiles on horizontal and vertical surfaces during exterior and interior work; - waterproofing of wet rooms; - use in the composition of filling, adhesive, glue-welded, glue-riveted, glue-threaded, impregnating and enveloping compositions; - use as a "chemical anchor" for fastening and fixing building materials, products and structures made of various types of materials: concrete, brick, stone, wood, steel, etc. <p>The adhesive is used for bonding materials resistant to radiation and repeated decontamination and disinfection, atmospheric influences of various macroclimatic areas, oily liquids, petroleum products, acids, salts and their bases, seawater, salt mist, sulfur dioxide and potash media.</p>
Name of the organization	Company "Entourage" LLC.
Address	141420, Moscow region, Khimki, Skhodnya MKR, Nekrasova str., house 2, building 77, floor 4, part of room 23.
Telephone for emergency consultation	8-499-394-02-60
E-mail	info@anturazh.msk.ru
Web-site	

2. GHS HAZARD IDENTIFICATION

Classification	- chemical products that cause corrosion (necrosis)/skin irritation, class 2;
Warning Marking	- chemical products that have a sensitizing effect in contact with the skin, class 1;
	- chemical products that cause serious eye damage/irritation, Class 2A.
Signal word	Warning.
Danger Symbols	 <p>"Exclamation mark"</p>
H-phrases	<p>H315: Causes skin irritation;</p> <p>H317: May cause an allergic reaction in contact with the skin;</p> <p>H319: Causes severe irritation in contact with eyes.</p>
P-phrases	<p>P261: Avoid inhaling gas/vapor/aerosols;</p> <p>P264: Wash thoroughly after work... [hands/face] (the responsible person indicates the relevant body parts);</p> <p>P272: Do not remove contaminated workwear from the workplace;</p> <p>P280: Wear gloves/protective clothing/eye/face protection (the responsible person indicates the appropriate personal protective equipment).</p> <p>P302+P352: IN CASE OF CONTACT WITH THE SKIN: rinse with plenty of water /... (the responsible person indicates the appropriate cleaning agents, including alternatives to water);</p> <p>P305+P351+P338: IN CASE OF CONTACT WITH EYES: Rinse gently with water for a few minutes. Remove contact lenses if you use them and if it is easy to do. Continue rinsing the eyes;</p> <p>P333+P313: If skin irritation or redness occurs, seek medical attention;</p> <p>P337+P313: If eye irritation persists, seek medical attention;</p> <p>P362+P364: Remove all contaminated clothing and wash before reuse</p>

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component (INCI)	Concentration (%)	Number CAS	Number EC
Epoxy resin YD-128 (Diglycidyl ether of	20	25068-38-6	500-033-5

Material Safety Data Sheet In accordance with the Resolution (EU) No. 1907/2006	EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST"	Total pages 6
		Pages 2 Version 1.0

bisphenol A)			
Laprolate 803	17	no	no
Microcalcite	53	14808-60-7	238-878-4
Polyamide hardener	10	68131-73-7	268-626-9

4. FIRST AID MEASURES

In case of contact with eyes	Gently rinse the eyes with water for 10-15 minutes with the eye slit open. Remove contact lenses if possible and if you use them. If necessary, seek medical help.
When exposed to skin	Rinse the skin with plenty of water.
If swallowed	Heavy drinking, activated charcoal, salt laxative.
Inhalation	Fresh air, peace.
The most important symptoms	Contact with eyes or skin may cause irritation.
The potential hazardous effects	When inhaled - cough, shortness of breath, difficulty breathing. If ingested through the mouth - nausea, vomiting.

5. FIRE FIGHTING MEASURES

Flammability	Non-flammable products.
Thermal decomposition products	The combustion process may involve packaging, which is accompanied by the release of toxic substances – carbon oxides. Carbon oxides disrupt the transport and transfer of oxygen to tissues, developing oxygen deficiency of the body, to which the nervous and cardiovascular systems are particularly sensitive. Poisoning is accompanied by headache, pounding in the temples, dizziness, dry cough, chest pain, nausea, vomiting. Possible excitement, accompanied by visual and auditory hallucinations, redness of the skin, palpitations.
Fire and explosion safety	The products are fire- and explosion-proof.
Extinguishing Methods	Apply extinguishing measures appropriate to local conditions and the surrounding environment. Contain (knock down) gases/vapors/mists with a water cannon.
Extinguishing Specificity	Spilled products create slippery surfaces. Packaging may be involved in the combustion process. If there is a fire, clear the area and remove all nearby people. Without proper training, do not take actions that endanger your life. If there is no risk, remove the product away from the fire. Do not use direct water jets on the burning product; they may cause splashing and spreading of fire. Extinguish from a safe distance, cool the containers with finely sprayed water. Firefighter's combat clothing (jacket and trousers with removable thermal insulation pads) complete with a fire rescue belt, mittens or gloves, a fire helmet, special protective shoes.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE/LEAKAGE

Individual precautions	Notify non-emergency personnel. Avoid contact with eyes or skin, inside the body. Evacuate outsiders from the danger zone, if necessary, provide emergency medical care, consult with a specialist. Production personnel should be provided with personal protective equipment: glasses, rubber gloves, respirator.
Environmental precautions	Periodic monitoring of the content of harmful substances in the air of the working area; air purification of industrial premises to the established standards before discharge into the atmosphere. Do not allow the product to enter surface or underground water, sewage.
Contamination and cleaning	When the product is scattered, it is necessary to collect it in a separate container, rinse the spill site and wipe it with a dry cloth. In case of placer in an open area, the spill site should be covered with sand, followed by its removal and neutralization in accordance with SanPiN 2.1.3684-21.

7. HANDLING AND STORAGE

Precautions and safe handling	Avoid contact with the product in the eyes, on the skin, inside the body. During the production of products, the premises must be equipped with supply and exhaust ventilation, ensuring the purity of the air of the working area. Persons associated with the production of products must be provided with
--------------------------------------	--

Precautionary measures**Safe storage**

special clothing and personal protective equipment: rubber gloves to protect the skin, protective glasses to protect the visual organs, a respirator to protect the respiratory organs.

It is necessary to wash contaminated clothing before subsequent use. Do not eat, drink or smoke while using this product. Always wash your hands after handling the product.

The products are packed in polymer bags, cans, buckets and other containers made of polymer materials.

Products should be stored in tightly closed containers in covered warehouses on pallets or racks at temperatures above 5 °C and below 35 °C and in accordance with the instructions for use. Joint storage of glue with food is unacceptable.

The shelf life of the products is at least 12 months from the date of manufacture.

8. INDIVIDUAL PROTECTIVE EQUIPMENT**Individual protection****Equipment****Control****Individual protective equipment****Eye protection****Respiratory protection****Hand skin protection****Overalls****Special tools**

Absent.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specifications	Indicators
Appearance (aggregate state, color)	Pasty composition of white color
Boiling point	>200 °C
Ignition temperature	259 °C
Vapor pressure	<0.01Pa (at 20°C)
Relative density	1,6 g/cm ³
Viscosity	Not more than 1750 MPa·s (at 35°C)

Material Safety Data Sheet In accordance with the Resolution (EU) No. 1907/2006	EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST"	Total pages 6
		Pages 4 Version 1.0

Distribution coefficient: n-octanol/water

Log Pow>3 (n-octanol/water standard)

10. STABILITY AND REACTIVITY

Chemical stability The product is chemically stable under the conditions of storage, transportation and operation.

Solubility Approx. 0.009 kg/m³ (at 23°C)

11. TOXICOLOGICAL INFORMATION

Acute toxicity **Information on toxicity is indicated by components:**

Polyamide hardener:
LD₅₀ (dermal, rabbit) > 2,000 mg/kg

Respiratory or skin sensitization Microcalcite, epoxy resin YD-128, polyamide hardener have a sensitizing effect. Polyamide hardener has a skin-resorptive effect.

Mutagenicity Microcalcite, polyamide hardener have a mutagenic effect.

Carcinogenicity Microcalcite is classified as a carcinogen for humans.

Reproductive toxicity Polyamide hardener can have a negative effect on the reproductive function of the body.

Specific target organ toxicity - single exposure Shall not be classified as a specific target organ toxicant.

Specific target organ toxicity - repeated exposure Shall not be classified as a specific target organ toxicant.

Aspiration hazard The product is not classified as presenting an aspiration hazard.

Chronic effects No information

12. ECOLOGICAL INFORMATION

Aquatic microorganisms **Toxicity information is indicated by components:**

Polyamide hardener:
LC₅₀(fish, 96 h) - 100 mg/l
LC₅₀(daphnia, 48 h) – 2.2 mg/l
NOEC (daphnia) – 3.2-10 mg/l
EC₅₀ (algae, 72 h) – 0.5 mg/l
NOEC (algae) - 0.16 mg/l

Persistence and degradability No information.

Bioaccumulative potential No information.

Soil mobility No information.

Other side effects No other adverse environmental impacts (eg ozone depletion, endocrine disruption, global warming potential) are expected from this product.

13. WASTE MANAGEMENT

Production waste is neutralized in accordance with sanitary norms and rules approved in accordance with the established procedure.

Issues of disposal and disposal of waste products in the production process should be carried out on a contractual basis with a company licensed for waste disposal.

Do not allow undiluted products to enter surface or underground wastewater and sewers.

14. TRANSPORT INFORMATION

14.1 Number UN Not classified as dangerous goods by the UN.

14.2 Proper shipping and transport names
Proper shipping name:
Absent

Shipping name:
EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST".

14.3 Types of transport risks

International Civil Aviation Organization/International Air Transport Association (ICAO / IATA)

Danger / Class / Division Absent

Environmental hazards

Material Safety Data Sheet In accordance with the Resolution (EU) No. 1907/2006	EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST"	Total pages 6
		Pages 5 Version 1.0

Signs

International Maritime Dangerous Goods Code (IMDG) code

Danger / Class / Division Absent

Danger to the aquatic environment

Signs

The Intergovernmental Organisation for International Carriage by Rail(MKMPOG) /European agreement concerning the transport of dangerous goods (DOPOG)

Danger / Class / Division Absent

Signs

Code

14.4 Group packing Not regulated

14.5 Environmental risks Absent

14.6 Environmental risks with the app. II to the Does not concern

International Convention for the prevention of pollution from ships (MARPOL) 73/78 and code International Code for the Construction and Equipment of Ships, Carriers Dangerous Chemicals in Bulk (MRG)

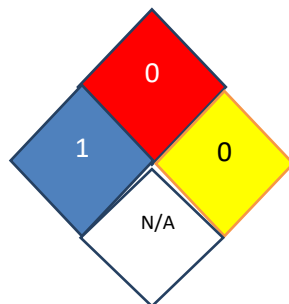
14.7 Special precautions Not required

15. REGULATORY INFORMATION

HMIS

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

NFPA



REACH

GHS

MDGC

ICAO/IATA

Application II MARPOL 73/78

RID

ADR

16. ADDITIONAL INFORMATION

We believe that the information contained here is current as of the date of this material safety data Sheet and is offered in good faith. Since the use of this information and these opinions and terms of use of the product are not under control Company "Entourage" LLC, user's obligation to determine the conditions for safe use of the product.

Collected information: Company "Entourage" LLC

Currentdate: 23.10.2023

Disclaimer: The information provided in this Material Safety Data Sheet is based on data that is believed to be accurate at the date of preparation of this Material Safety Data Sheet. No liability is accepted for any damage or injury caused by abnormal use or due to non-compliance with recommended practices. The

Material Safety Data Sheet In accordance with the Resolution (EU) No. 1907/2006	EPOXY-POLYURETHANE ADHESIVE "DIAMANT POLYELAST"	Total pages 6
		Pages 6 Version 1.0

above information and the product are provided that the person receiving them must make their own determination as to the suitability of the product for their specific purpose and provided that they accept the risk of their use. In addition, no permission is granted or implied for the application of any patented invention without a license. The above information is believed to be accurate and reflect the information available to the manufacturer. However, this does not entail a guarantee for all the specific characteristics of the goods and does not serve as a basis for the emergence of contractual relations from a legal point of view. Current laws and regulations must be respected by the manufacturer's successor at their own risk.

General director
Company "Entourage" LLC

/ Tyunkov S. V. /

Print place