

Safety Data Sheet

SECTION 1: Product and Manufacturer Identification

1.1. Product Identification

Trade name: Adhesive coating for 3D printing

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant identified uses of the substance or mixture

Use: 3D printer table coating to improve the adhesion of the printed part to the printer table.

1.3. Details of the Supplier of the Safety Data Sheet

Manufacturer: Devil Design Ryszka Mateja Sp. J.
ul. Żwirki i Wigury 65
43-190 Mikołów, Poland
tax identification number: NIP 6351837318
e-mail: office@devildesign.com

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Hazard phrases:

H319 Causes eye irritation

H412 Harmful to aquatic life with long lasting effects

EUH066 Repeated exposure may cause skin dryness or cracking

2.3. Other Hazards

No data.

SECTION 3: Composition and Information on Ingredients

3.2. Mixtures

Devil Design Ryszka Mateja Sp. J.

Product: Adhesive coating for three-dimensional printing

Safety data sheet date: 27/04/2021

Last revision date: --/--/----

Composition: Water, polyquaternium, preservative, flavouring

Common name: Adhesive coating

Hazardous components

Chemical Name	CAS No. EC No. Registration No.	EC Classification 1272/2008	Concentration (%)
1-Dodecanaminium,N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-chloride, polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-peopenamide, 1-ethenylhexahydro-2H-azepin-2-one-1-ethe	- - 748809-45-2	Aquatic Chronic3; H412	4
Ethanol	64-17-5	Flam. Liq.2; H225 Eye Irrit.2; H319	1,5

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

General: Do not leave the injured person unattended. Evacuate the danger zone. Consult a doctor.

Skin contact: Rinse with plenty of water or soapy water. Remove contaminated clothing.

Eye contact: Rinse the eyes thoroughly with plenty of water. Consult a doctor.

Aspiration: Seek fresh air. If necessary, consult a doctor.

Ingestion: Consult a doctor or poison centre immediately. Never give anything by mouth to an unconscious person.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Signs and symptoms: If swallowed or inhaled, gastrointestinal disorders may occur, such as vomiting, nausea or diarrhoea. Respiratory irritation, coughing, confusion, arrhythmia and respiratory distress may occur. Allergic reactions may be induced.

Hazards: Irritating to eyes, inhalation of high concentrations (especially in poorly ventilated rooms) may cause cardiac arrhythmia.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed.

In case of any alarming symptom or accident, contact a doctor immediately.

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Water spray
Firefighting foam
Carbon dioxide (CO₂)
Dry extinguishing powder

For safety reasons unsuitable extinguishing agents:

Strong concentrated water jet

5.2. Special Hazards Arising From the Substance or Mixture

Hazardous combustion products:

Carbon dioxide
Carbon oxide
Formaldehydes
Hydrocarbons

5.3. Advice for Firefighters

Personal protective equipment for firefighters:

Self-contained breathing apparatus

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For Persons Other Than Emergency Personnel

Protective equipment:

When exposed to gases and vapours, use personal breathing protection.

Use personal protective equipment (see: SECTION 8).

Emergency procedures:

Remove the source of ignition. Avoid contact with the skin and eyes. Do not inhale gases and vapours.

6.1.2. For Emergency Personnel

When exposed to gases and vapours, use personal breathing protection.

Use personal protective equipment (see: SECTION 8).

6.2. Environmental Precautions

Do not allow the product to reach any sewage system or surface and ground waters.

6.3. Methods and Material for Containment and Cleaning Up

Contain the spill into non-flammable absorbent material (diatomaceous earth, earth) and then consign for disposal as required by local laws.

6.4. Reference to Other Sections

Personal protective equipment – see SECTION 8.

Waste handling – see SECTION 13.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Handling of the substance or preparation:

The product should be processed in a well ventilated environment. Where required, an air extractor should additionally be used. Do not inhale vapours. Do not allow contact with the eyes or skin. Take measures against electrostatic discharges. Avoid aerosol formation.

General work hygiene rules:

Do not eat or drink when handling the product, do not smoke in the working area. After contact with the product, wash the hands.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Store the product in a dry, well ventilated place in its original, well sealed container.
Protect from direct sunlight. Store containers in upright position.

7.3. Specific End Use(s)

No data.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Name of substance: Ethanol	
WE Number: -	CAS Number: 64-17-5
Value type	Control parameters
The highest acceptable concentration	1.900 mg/m ³

DNEL/DMEL values: No data.

PNEC values: No data.

The values are based on the known properties of (an) ingredient(s) of the mixture.

8.2. Exposure Controls

General protection rules: The product should be processed in a well ventilated room; where required, an air extractor should additionally be used.

Eye and face protection: Wear protective goggles.

Hand protection: Wear neoprene or nitrile rubber gloves.

Respiratory protection: When exposed to vapours, use respiratory protective equipment with filter.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

State: Liquid
Appearance: Liquid, slightly turbid
Colour: Yellow
Odour: Sweet

Odour threshold:	No data
pH value:	4 - 8
Melting point:	No data
Bolting point:	No data
Evaporation rate:	No data
Flammability:	No data
Upper/lower flammability limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	No data
Solubility in water	Soluble
Solubility in other liquids:	No data
n-octanol/water partition coefficient:	No data
Spontaneous ignition temperature:	No data
Thermal decomposition:	See: SECTION 10.4.
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other Information

No data

SECTION 10: Stability and Reactivity

10.1. Reactivity

Non-existent under normal conditions.

10.2. Chemical Stability

Stable under recommended conditions of storage. See SECTION 7.2.

10.3. Possibility of Hazardous Reactions

Vapours with air may form an explosive mixture.

10.4. Conditions to Avoid

Fire, sources of ignition, handling the product in poorly ventilated rooms.

10.5. Incompatible Materials

Oxidants, acids, alkali metals, ammonia, bases, halogens, inorganic materials, sodium.

10.6. Hazardous Decomposition Products

Carbon dioxide, carbon oxide, formaldehydes, nitrogen oxides, bromine, hydrocarbons.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute toxicity: LD50 (rat) >2.000mg/kg
LD50 (rabbit) >5.000mg/kg
The product has not been tested. The value is based on the known properties of (an) ingredient(s) of the mixture.

Skin irritation: It can irritate the skin.

Eye irritation: It can irritate the eyes.

Sensitisation: No data

Mutagenic effects: Based on available data, it is not possible to determine mutagenic effects.

SECTION 12: Ecological Information

12.1. Toxicity

Effects on living organisms: Harmful to aquatic organisms with long lasting effects.

12.2. Persistence and Degradability

Not readily biodegradable. Biodegradation rate: 0%. Estimated based on mixture ingredient data.

12.3. Bioaccumulative Potential

Ingredient dependant: P log: -0.31 to 2.45.

12.4. Mobility in Soil

No data.

12.5. Results of PBT and vPvB Assessment

The mixture has not been classified as having excessive PBT and vPvB properties.

12.6. Other Adverse Effects

Harmful to aquatic organisms with long lasting effects. Prevent the mixture from entering sewerage systems, groundwater, surface water and soil. See: SECTION 6.2.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Do not discharge waste into sewerage systems, water supply or soil. Dispose of waste as required by local laws. Send to an appropriate waste disposal company. The same applies to packaging. Do not reuse empty containers.

SECTION 14: Transport Information

SECTION 14.1. to 14.5.

IMDG:	Not applicable/Unrestricted
ICAO/IATA:	Not applicable/Unrestricted
ADR/RID:	Not applicable/Unrestricted

The values are based on the known properties of (an) ingredient(s) of the mixture.

14.6. Special Precautions for Users

See: SECTION 6, 7 and 8.

14.7. Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

No IBC-coded bulk transport. The information is based on the known properties of (an) ingredient(s) of the mixture.

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Devil Design Ryszka Mateja Sp. J. has used its best efforts to ensure that the information contained in this document is accurate and reflects, according to its best knowledge, the actual status. At the same time, Devil Design Ryszka Mateja Sp. J. disclaims any responsibility for the

Devil Design Ryszka Mateja Sp. J.

Product: Adhesive coating for three-dimensional printing

Safety data sheet date: 27/04/2021

Last revision date: --/--/----

use thereof. The product has not been tested, and all the information contained in this document is based on the data of (an) ingredient(s) of the mixture. Depending on the specific features of the product, in particular its colour, its physical and chemical properties can vary; the data sheet indicates known extremes. Each and every user is obliged to use the product in accordance with applicable local laws.

15.2. Chemical Safety Assessment

No data.

SECTION 16: Other Information

Compiled by: Devil Design Ryszka Mateja Sp. J.

Last revision date: --/--/----

