

SAFETY DATA SHEET

prepared in accordance with COMMISSION REGULATION (EU) 2020/878 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 (REACH).

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade Name: ImpResin90

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

Relevant identified uses: Vacuum impregnation.

Uses advised against: No data available.

1.3. Details of the supplier of the safety data sheet

Supplier: drControl Dawid Roszczenko
Adress: ul. Jodłowa 3A/34, 16-001 Ignatki Osiedle
Phone: +48535312207
E-mail: shop@vacuumchambers.eu

E-mail of the person responsible for the safety data sheet: tomasz.piergies@consultchem.pl

1.4. Emergency telephone number

European emergency numer: 112
Emergency service: 999
Fire service: 998

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008 (CLP) as amended:

Eye Irrit. 2, H319 Causes serious eye irritation.
Skin Irrit. 2, H315 Causes skin irritation.
Skin Sens. 1B, H317 May cause an allergic skin reaction.
STOT SE 3, H335 May cause respiratory irritation.
Aquatic Acute 1, H400 Very toxic to aquatic life.
Aquatic Chronic 1, H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components: Lauryl methacrylate, Polyglycol dimethacrylate, Hydroxyalkyl methacrylate, Tetradecyl methacrylate

Pictograms:



Signal word: WARNING

Hazard statement:

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.

Prevention precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves, protective clothing, eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents in accordance with national regulation.

2.3. Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.
The substances contained in the product have not been included in the list established in accordance with Art. 59 paragraph 1 as having endocrine disrupting properties and they are not substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients:

Substance name/ REACH registration number	EC nr	CAS nr	Classification	Hazard statements	Content
Polyglycol dimethacrylate	203-652-6	109-16-0	Skin Sens. 1B	H317	60-100

Lauryl methacrylate *	205-570-6	142-90-5	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1	H315 H319 H335 H400 H410	15-30
Hydroxyalkyl methacrylate	248-666-3	27813-02-1	Skin Sens. 1 Eye Irrit. 2	H317 H319	15-20
Hexadecyl methacrylate	219-672-3	2495-27-4	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H315 H319 H335	1-5
Tetradecyl methacrylate	219-835-9	2549-53-3	Skin Irrit. 2 Skin Sens. 1 Eye Irrit. 2	H315 H317 H319	1-5

The full text of each relevant H- phrase see in Section 16.

* Specific Concentration limits: STOT SE 3; H335: C ≥ 10 %

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move to fresh air. If symptoms develop bad persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse.

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. If symptoms develop and persist, get medical attention.

Ingestion: Do not induce vomiting. Rinse the mouth. Drink 1-2 glasses of water. If symptoms develop and persist, get medical attention.

Protection of first-aiders: Do not take any action that would put anyone at risk unless you are properly trained. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

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

No data available.

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

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Foam, dry chemical or carbon dioxide, extinguishing powders, dispersed stream of water.

Unsuitable extinguishing media: Water jet - risk of fire spread.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: oxides of sulfur, oxides of nitrogen, irritating organic vapors, acrid smoke and fumes, oxides of carbon.

5.3. Advice for firefighters

Use standard firefighting methods.

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

Do not allow product to enter sewer or waterways.

6.3. Methods and material for containment and cleaning up

Store in a partly filled, closed container until disposal.

Soak up with inert absorbent material (e.g. sand, silica gel, acid bonder, universal binder, sawdust).

6.4. Reference to other sections

See also sections 8 and 13 of the Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing.

Do not breathe vapor and mist.

Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

For safe storage, store at 2-10 °C (35-50 °F).

Keep in a cool, well ventilated area away from the heat, sparks and open flame.

Keep container tightly closed until ready for use.

7.3. Specific end use(s)

See section 1.2 of the Safety Data Sheet.

SECTION 8:	EXPOSURE CONTROLS/PERSONAL PROTECTION
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8.1. Control Parameters

Not applicable.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Use local ventilation if general ventilation is to maintain vapor concentration below established exposure limits. The workplace should be equipped with an emergency shower and eye-rinsing facility.

8.2.2. Individual protection measures, such as personal protective equipment

Eye protection: Safety goggles or safety glasses with side shields. Wear chemical goggles; face shield (if splashing is possible).

Hand and skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

8.2.3. Environmental exposure controls

Do not empty into drains or the environment.

SECTION 9:	PHYSICAL AND CHEMICAL PROPERTIES
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9.1. Information on basic physical and chemical properties

- (a) **Physical state:** Liquid
- (b) **Colour:** Clear
- (c) **Odour:** Mild
- (d) **Melting point/freezing point:** No data available
- (e) **Boiling point or initial boiling point and boiling range:** No data available
- (f) **Flammability:** No data available
- (g) **Lower and upper explosion limit:** No data available
- (h) **Flash point:** >93°C (>199,4°F)
- (i) **Auto-ignition temperature:** No data available
- (j) **Decomposition temperature:** No data available
- (k) **pH:** No data available

- (l) **Kinematic viscosity:** No data available
- (m) **Solubility:** Slight
- (n) **Partition coefficient n-octanol/water (log value):** No data available
- (o) **Vapour pressure:** No data available
- (p) **Density and/or relative density:** No data available
- (q) **Relative vapour density:** No data available
- (r) **Particle characteristics:** No data available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable.

9.2.2. Other safety characteristics

Not applicable.

SECTION 10:	STABILITY AND REACTIVITY
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10.1. Reactivity

Under proper storage and use, the mixture is not chemically reactive.

10.2. Chemical stability

Stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

Hazardous polymerization may occur in the presence of excess peroxides and metals contamination.
Hazardous polymerization can occur with elevated temperatures.

10.4. Conditions to avoid

Keep away from heat, ignition sources and incompatible materials.

10.5. Incompatible materials

This chemical contains heavy metals.
Reducing agents, strong oxidizing agents, strong alkalis, metal oxides, oxygen scavengers, free radical initiators, other polymerization initiators, amines.

10.6. Hazardous decomposition products

Oxides of nitrogen, irritating organic vapors, oxides of carbon, oxides of sulfur.

SECTION 11:	TOXICOLOGICAL INFORMATION
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11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

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

LD50: >5000 mg/kg (oral, rat)

LD50: >2000 mg/kg (dermal, rabbit)

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

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.

Reproductive toxicity:

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

STOT-single exposure:

May cause respiratory irritation.

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.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not applicable.

11.2.2. Other information

No data available.

SECTION 12:	ECOLOGICAL INFORMATION
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12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Octanol / water partition coefficient (Kow): No data available.

Bioconcentration factor (BCF): No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13:	DISPOSAL CONSIDERATIONS
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13.1. Waste treatment methods

Recommendations regarding the mixture: Do not dispose to the sewers. Do not allow to contaminate surface and ground water. Waste product should be subjected to recycling or liquidated in approved incineration plants or waste treatment/disposal plants, according to regulations in effect.

Recommendations regarding used packaging: Recycling / liquidation of packaging wastes should be conducted according to regulations in effect.

PLEASE NOTE: Only packagings that are completely emptied and cleaned may be allowed to recycling! Use services of companies with appropriate authorization.

SECTION 14:	TRANSPORT INFORMATION
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14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

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

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

COMMISSION REGULATION (EU) 2020/878 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 (REACH).

15.2. Chemical safety assessment

Chemical safety assessment has not been performed for the mixture.

SECTION 16: OTHER INFORMATION

The information contained in the safety data sheet is intended to assist in the safe use of the product. The user of the product is obliged to comply with all applicable standards and regulations, and to create appropriate conditions for the safe use of the product.

Methods used to classify the mixture in question:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Abbreviations and acronyms in the Safety Data Sheet:

vPvB - very Persistent, very Bioaccumulative (substance)

PBT - Persistent, bioaccumulative, and toxic (substance)

LD50 - the dose of the substance needed to cause the death of 50% of the test animals of the specified species after its absorption by the given route.

Hazard statements from section 3:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Hazard classes and categories:

Skin Irrit. 2 - Skin irritation Category 2

Skin Sens. 1 - Skin sensitization Category 1

Skin Sens. 1B - Skin sensitization Category 1B

Eye Irrit. 2 - Eye irritation Category 2

STOT SE 3 - Specific target organ toxicity single exposure Category 3

Aquatic Acute 1 - Hazard to the aquatic environment - acute hazard Category 3

Aquatic Chronic 1 - Hazard to the aquatic environment - chronic hazard Category 1

The scope of the update: Sections 1-4; 8-9; 11-12; 14-16

Changes have been made in accordance with COMMISSION REGULATION (EU) 2020/878 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 (REACH).