

(MSDS)
Manufacturer Safety Data Sheet
According to 1907/2006/EC, Article 31

Printing Date 14.08.2025

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Section 1: Identification of the substance/mixture and of the Company/undertaking

1.1 Product identifier

- Brand Name: **Gesswein**
- Products Name: **2622690 Gesswein Rosewax 3D Printer Resin**
- **Synonym/ Description:** Photo curable resin for DLP/SLA 3D printers for direct investment casting of jewelry/acrylic paint for UV cure for figurine.

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

- Application of the substance/the preparation
- Resin for DLP/SLA3Dprinters/UV curable paint for figurines

1.3 Details of the supplier of the safety data sheet

Supplier Information:

Gesswein
201 Hancock Ave., Bridgeport, CT 06605
Phone: 203-366-5400, FAX: 203-366-3953
email: info@gesswein.com

www.gesswein.com

1.4 Emergency telephone number: CHEMTELL - 800-255-3924

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

- GHS08 health hazard

Repr. 2H361f Suspected of damaging fertility.
Aquatic Chronic 3H412 Harmful to aquatic life with long lasting effects.

Classification according to directive 67/548/EE Cordirective 1999/45/EC

XN; Harmful
R62: Possible risk of impaired fertility.
RS2/53: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Repr. Cat. 3

-Information concerning particular hazards for human and environment: Not applicable.

-Classification System: The classifications according to the latest editions of the EU-lists, and extended by company And literature data.

2.2 Label elements

-Labeling according to Regulation (EC) No 1272/2008

The substance is classified and according to the CLP regulation.

- **Hazard Pictograms**



GHS08

- **Signal word Warning**
- **Hazard-determining components of labeling:**
Diphenyl (2,4,6-trimethylbenzoyl)phosphinoxid



- **Hazard statements**
 - H361f Suspected of damaging fertility.
 - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 - P281 Use personal protective equipment as required.
 - P273 Avoid release to the environment.
 - P40S Store locked up.
 - PS01 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:** For the wording of the listed risk phrases refer to section 16.
- **Additional Results of PBT and vPvB assessment:** Not applicable..
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION3: Composition/ information on ingredient:

3.1 Chemical Characterization: Substances

Methacrylate oligomers (10–70%)	C.AS. reserved (ataxic oligamers)
Polyols 10/70%	C.AS. Reserved (ataxic playas)
Photoinitiators0,1/5%	C.AS. 75980-60-8

SECTION4:First Aid Measures:

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product. Involve doctor immediately.

After inhalation:

- In the case of accidental inhalation of monomers provide fresh air, rest and warmth. Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably inside position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Avoid contact with UV - and sunlight.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Call a doctor immediately.

Rinse out mouth and then drink plenty of water.



4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION5:Fire Fighting Measures:

5.1 Extinguishing media

- Fight larger fires with water spray or alcohol resistant foam.
- Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.

5.2 Special hazards arising from the substance or mixture

- In case of fire, the following can be released: **C02**.

5.3 Advice for Firefighters:

Protective equipment:



- Wear self-contained respiratory protective device.
- Wear fully protective suit.

SECTION 6: Accidental Release Measures:

6.1 Personal precautions, protective equipment and emergency procedures.

- Ensure adequate ventilation.
- Keep people at a distance and stay on the windward side.

6.2 Environmental precautions

- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

- Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections;

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust.
- **Information about fire - and explosion protection:**
- Keep ignition sources away - Do not smoke Protect from heat.

7.2 Conditions for safe storage, including any incompatibilities Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area. Store under lock and key or with access restricted to technical experts or their assistants only. Do not expose to temperatures above 60 Celsius.

7.3 Specific and use

No further relevant information available.

SECTION 8: Exposure controls/personal protection:

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device In case of intensive or long or exposure use self-contained respiratory protective device. Respirator must be worn if exposed to dust.

Protection of hands:

Protective gloves



Material of gloves

Products without solvents added: wear nitrile gloves. Replace gloves immediately when torn or any change in Appearance (dimension, color, flexibility etc.) is noticed.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Goggles recommended during refilling

Body protection: Impervious protective clothing.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties General Information

- Appearance: Form:	Liquid
- Color:	Pink
- Odor:	Characteristic acrylic
- Odor threshold:	Not determined.
- Melting point / Melting range:	18-25°C
- Boiling point / Boiling range:	Undetermined
- Flash point:	> 100°C
- Flammability (solid, gaseous):	Product is not flammable.
- Ignition temperature:	
- Decomposition temperature	>250°C
- Self-igniting:	Product is not self-igniting.
- Danger of explosion:	Not explosive.
- Explosion limits:	
- Lower:	Not determined.
- Upper:	Not determined.
- Vapor pressure:	Not applicable.
- Density:	Not determined.
- Bulk density at 20°C:	1.08g/cm ³
- Relative density:	Not determined.
- Vapor density:	Not applicable.
- Evaporation rate:	Not applicable.
- Solubility in/Miscibility with water at:	20°C:>300g/L
- Partition coefficient (n-Octanol/water):	Not determined.
- Viscosity:	
- Dynamic (25°C)	Not applicable.
- Kinematic:	Not applicable.
- Solid contents:	100.0%

9.2 Other information: No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

- Thermal decomposition/ conditions to be avoided:
- Do not expose to temperatures above 60 Celsius
- No decomposition If used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials:

- Incompatible with acids and bases.
- Avoid moisture.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Primary irritant effect:

Irritation of skin OECD 404 Skin irritation, 0.04 (rabbit) (PII 0-8)

Irritation of eyes OECD 405 Eye irritation, 2.2 (rabbit) (PII 0-13)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Causes serious eye irritation
- Respiratory or skin sensitization: No sensitizing effect known.
- CMR effects (carcinogenic, mutagenicity and toxicity for reproduction): Based on available data, the classification criteria are not met.

SECTION 12: Ecological information:

12.1 Toxicity

- Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bio accumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

• **Ecological effects:**

• **Remark:** Harmful to fish

• **Additional ecological information:**

General notes:

- Water hazard class 2(German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- Harmful to aquatic organisms.

12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations:

13.1 Waste treatment methods

Recommendation can be incinerated, when in compliance with local regulations.

European waste catalogue

08 01 99

wastes not otherwise specified

Un-cleaned packaging:

Recommendation:

- Disposal must be made according to official regulations.
- Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information:

14.1 UN-Number ADR, AND, IMDG, IATA	Void
14.2 UN pro per shipping name ADR AND, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, AND, IMDG, IAT Calss	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Marine pollutant: No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation":	Not applicable.

SECTION 15: Regulatory information:

15.2 **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out

SECTION 16: Other information:

The data are based on the current state of our knowledge and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method to use. We do not accept responsibility for any harm caused by the use of this information. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use. In all cases, our general condition of sale is applied.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the international transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the international Carriage of Dangerous Goods by Road)

IMDG: International Air Transport Association GHS: Globally Harmonized System of Classification and labeling of chemicals.

CAS: Chemical Abstracts Service (division of the American Chemical society).

*Data compared to the previous version altered.