



SAFETY DATA SHEET (SDS) DLP/LCD MODEL RESIN

1. IDENTIFICATION

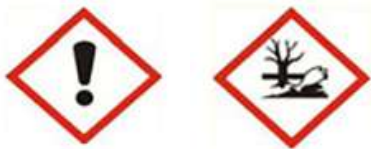
Product Name: DenPlus 3D – DLP/LCD Model Resin
Other Name or Code: 3500101-3500102-3500103
Use: For printing of 3D models on DLP/LCD 3D printer
Supplier Name: DenPlus Inc.
Address: 333-M Chemin du Tremblay
Boucherville, QC, Canada, J4B 7M1
Phone Number for Information: 450.641.1330
Emergency Phone Number: 613.996.6666
Anti-Poison Center of Quebec 1.800.463.5060

2. HAZARDS IDENTIFICATION

2.1 Classification

Skin irritation – Category 2	H315	Causes skin irritation
Skin sensitization – Category 1	H317	May cause an allergic skin reaction
Serious eye damage/eye irritation – Category 2	H319	Cause serious eye irritation
Aquatic chronic – Category 3 effects	H412	Harmful to aquatic life with long lasting

2.2 Label elements



Signal word: Warning

Hazard statements: H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Cause serious eye irritation
H412 Harmful to aquatic life with long lasting effect

Precautionary statements: P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312	IF SWALLOWED: Induce vomiting. Obtain medical attention if ill effects occur.
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.
P332+P313	If skin irritation or rash occurs, get medical attentions.
P362+P364	Get of contaminated clothing and wash them before reusing them
P330	Rinse mouth
P337+P313	If eye irritation persists: get medical advice/attention
P501	Dispose of contents/container to hazardous waste in accordance with local, state or national legislation.

3. INFORMATION ON INGREDIENTS

Mixture of acrylate, photoinitiator and pigment

Hazardous ingredients	CAS	Concentration range (by weight)
Acrylated oligomer	3290-92-4	20 to 25 %
Acrylated monomer	9009-54-5	60 to 75 %
Photoinitiator	947-19-3	2 to 5 %
Pigment	-	2 to 5 %

4. FIRST-AID MEASURES

4.1 Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
Skin Contact	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, get medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if ill effects occur.
Ingestion	IF SWALLOWED: rinse mouth. Drink plenty of water. Induce vomiting. Obtain medical attention if ill effects occur.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

May cause an eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None necessary.

5. FIREFIGHTING MEASURES

The product itself is not combustible. In case of fire and/or explosion do not breathe fumes.

5.1 Extinguishing media

In case of fire, use carbon dioxide (CO₂), spray foam, dry powder.

5.2 Special hazards arising from the substance or mixture

No relevant information is available.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Evacuate personnel to safe areas.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Ensure suitable personal protective equipment (including respiratory protection) during removal or spillage. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Wash thoroughly after handling.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Do not empty into drains/surface water/groundwater. Soak up with absorbent material (e.g. sand, earth) and dispose of as hazardous waste. Collect in containers for disposal in accordance with local regulations.

6.4 Reference to other sections

See sections: 7, 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothes.
Avoid inhalation of vapor or mist.
Keep away from sources of ignition, food and drinks.
Do not eat, drink or smoke at the work place.
Wash contaminated clothing before reuse.
Wash thoroughly after handling.
Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers in a clean, cool and dry area. Natural ventilation is adequate.
Storage temperature (°C): Ambient.

Protect against light and heat.

Incompatible materials: Oxidizing agent, Strong alkali, Reducing agent, Alcohols.

7.3 Specific end use(s)

No relevant information is available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

No data available.

8.2 Exposure controls

Appropriate engineering controls

Do not eat, drink or smoke at the work place. Provide adequate ventilation. The following information is given as general guidance.

Eye/face protection	Wear eye/face protection. Safety spectacles/goggles/full face shield.
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Suitability of gloves should be confirmed with glove manufacturer.
Respiratory protection	Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Beige, Grey or White, Liquid
Odor	Acrylate
pH (Value)	Not applicable
Melting point (°C)	Not determined
Initial Boiling Point (°C)	> 150
Flash Point (°C)	Not applicable
Solubility (Water)	Not soluble
Density (g/ml)	1.09 (25 °C)
Viscosity	0.270 Pa's (25 °C, 101.32 kPa)

10. STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive material.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

UV-light, sunlight, elevated temperature

10.5 Incompatible materials

Strong oxidizing agents, reducing agents, peroxides and radical initiator.

10.6 Hazardous decomposition products

Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 acute oral rat > 1050 mg/kg LD50 acute dermal rat > 1250 mg/kg
Ingestion	Low oral toxicity.
Inhalation	Unlikely to be hazardous by inhalation.
Skin contact	May cause skin irritation.
Eye contact	May cause irritation.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

LC50 acute zebra-fish toxicity	> 25 mg/l (96 h)
EC50 acute big water flea toxicity	> 330 mg/l (48 h)
EC50 acute little duckweed toxicity	>= 220 mg/l (72 h)

12.2 Persistence and degradability

This product has not been tested.

12.3 Bioaccumulative potential

This product has not been tested.

12.4 Mobility in soil

This product has not been tested.

12.5 Results of PBT and vPvB assessment

This product has not been tested.

12.6 Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

The waste is considered to be non hazardous. Dispose in accordance with local regulations.

13.1 Waste treatment methods

May be disposed by landfill in accordance with local regulations.

14. TRANSPORTATION CONSIDERATIONS

Not classified as Dangerous for Transport.

14.1 UN 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 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

WHMIS 2015

Canadian Hazardous Products Regulations (SORS2015-17)

Canadian Hazardous Products Act (R.S.C., 1985, c. H-3)

Hazardous Products Information Regulation (Quebec S-2.1, r. 8.1)

16. OTHER INFORMATION

Date of revision : May 05, 2023

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