



SAFETY DATA SHEET (SDS)
PHOTO-BASE / PHOTO-TRAY

1. IDENTIFICATION

Product Name: Photo-Base or Photo-Tray
Other Name or Code: 3051101, 3051102
Use: Light curing sheet for dental custom trays and base plates
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

Acute toxicity – category 4 H312 Harmful in contact with skin
Skin sensitization – category 1 H317 May cause an allergic skin reaction

2.2 Label elements



Signal word: Warning

Hazard statements: H312 Harmful in contact with skin
H317 May cause an allergic skin reaction

Precautionary statements: P261 Avoid breathing dusts.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P312 Call a poison center/doctor if you feel unwell.
P333+P313 If skin irritation or rash occurs: get medical advice/attention.

3. INFORMATION ON INGREDIENTS

Matrix of polyfunctional methacrylates, glass filler, photochemical initiators and petroleum jelly. Contains 4-methoxyphenol (mequinol).

Hazardous ingredients	CAS	Concentration range (by weight)
Diurethane dimethacrylate	276-957-5	10 to 15 %

4. FIRST-AID MEASURES

4.1 Description of first aid measures

General information: Polymerized material is non-hazardous.

Inhalation Not applicable as all component have a boiling point over 250 °C.

Skin Contact Wash immediately with polyethylene glycol, followed by plenty of water. If skin irritation or rash occurs, get medical attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation, consult a doctor.

Ingestion Rinse mouth. Drink plenty of water. Obtain medical attention if ill effects occur.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None necessary.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Non flammable.

5.3 Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas or fumes. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Collect in containers for disposal.

6.4 Reference to other sections

See section: 7, 8, 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. For use in dentistry only.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Protect from exposure to light. Natural ventilation is adequate.

Storage temperature (°C): Ambient.

Incompatible materials: No special measures are necessary.

7.3 Specific end use(s)

Production of light-cured dental custom trays and base plates.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters:

8.2 Exposure controls

Appropriate engineering controls

Use a suitable dust extraction when grinding the polymerized plate.

Eye/face protection Wear eye/face protection. Safety spectacles/goggles/full face shield.

Skin protection Use of gloves is recommended.
Suitability of gloves should be confirmed with glove manufacturer.

Respiratory protection In case of inadequate ventilation wear respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste
Color:	Pink or blue
Odor	Characteristic
pH (Value)	Not applicable
Melting Point (°C)	- 20

Flash Point (°C)	150
Flammability (solid, gas)	Not applicable
Flammable Limits	Not applicable
Vapor pressure (Pascal)	100
Vapor Density (Air=1)	Not applicable
Solubility (Water)	Insoluble
Solubility (Other)	Not applicable
Partition Coefficient (n-Octanol/water)	Not determined
Ignition Temperature (°C)	445
Auto Ignition Temperature (°C)	Not determined
Viscosity (mPa. s)	Not available
Oxidizing properties	Not oxidizing
Density (g/ml)	1.89
Solid content (%)	76.2

10. STABILITY AND REACTIVITY

10.1 Reactivity

Material will polymerize when exposed to daylight.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Avoid direct light.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ingestion	Unlikely to be hazardous by ingestion.
Inhalation	Unlikely to be hazardous by inhalation.
Skin contact	May cause a skin irritation.
Eye contact	May cause an irritation.

Skin sensitization data Diurethane dimethacrylate : May cause an allergic skin reaction.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not ecotoxic.

12.2 Persistence and degradability

This product has not been tested.

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The 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 (SOR/2015-17)

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: July 7, 2021

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.