

# Safety Data Sheet

According to 1907/2006/EC, Article 31

Revision: 24.01.2024

Revision no. 7

Reference No. MSDS/GR/06/1023

## Section 1. Product and Company Identification

### Product Identifier

<b>Product Name</b>	<b>D TECH 3D ACCUPRINT Surgical Guide</b>
<b>Recommended Use</b>	3D Printing of Dental Surgical Guide
<b>Manufacturer</b>	D Tech Dental Technologies 62, Reality Warehousing, Gat No .1337/1, Pune-Nagar Road, Wagholi, Pune-412207, India.
<b>Emergency Contact Number</b>	+91 9370145806
<b>Website</b>	www.dtechasia.com
<b>E mail Id</b>	info@dtechasia.com

## Section 2. Hazards Identification

### 2.1. Classification of the mixture:

Classification according to Regulation 1272/2008/EC (CLP):

H315	Skin corrosion/irritation, Hazard Category 2
H317	Sensitization - Skin, hazard category 1
H319	Serious eye damage/eye irritation, Hazard Category 2
H335	Specific target organ toxicity – Single exposure, Hazard Category 3
H413	May cause long lasting harmful effects to aquatic life. Category 4

### 2.2. Label elements:

Components which define the hazards listed in Section 3



WARNING

### Precautionary Statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection
P264	Wash contaminated skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/containers in accordance with local regulations.

### 2.3. Other Hazards:

Not Classified as PBT or vPvHB

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## Section 3. Composition/information on ingredients

**3.1 Substance :** This product is a Mixture .

**3.2 Mixtures :**

Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

According to Regulation (EG) Nr. 1272/2008 [CLP].

Ingredient IUPAC Name	C.A.S No & and other unique identifiers	% by Wt.
2,2-bis[4-(2-ethoxy-3-methacryloyloxypropoxy)phenyl]propane	41637-38-1	50-100
Photo initiator	Proprietary	<2

## Section 4. First aid measures

**4.1. General information:** Immediately remove stained and soaked clothing. If symptoms are present or in case you are in any doubt, seek medical advice. If the person loses consciousness, put them in the recovery position and seek medical advice immediately.

**After inhalation:** Make sure that there is fresh air. If the product irritates the respiratory tract, consult a doctor immediately.

**After contact with skin:** Wash out and rinse with plenty of soap and water.

**After contact with eyes:** In the event of contact with the eyes, immediately remove contact lenses and rinse with running water for 10-15 minutes while keeping the eyes open. Consult an eye specialist as soon as possible

**After swallowing:** Never administer something orally to an unconscious person or someone who is experiencing cramps. Consult a doctor immediately. Do not induce vomiting.

**4.2. The most significant acute and delayed occurring symptoms and impact**

**Skin contact:** May cause an allergic skin reaction.

Information about emergency medical aid or special treatment.

**Note for the physician:** Treat symptomatically.

## Section 5. Firefighting measures

### 5.1. Extinguishing media:

- 5.1.1. Suitable extinguishing media:  
Foam, dry powder or carbon dioxide.
- 5.1.2. Unsuitable extinguishing media:  
Full water jet

### 5.2. Special hazards arising from the substance or mixture:

In case of fire, smoke and other combustion products may be formed, the inhalation of such combustion products can have serious adverse effects on health.

### 5.3. Advise for firefighters:

Use breathing apparatus with independent air supply.  
Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations. 5.1. regulations.

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures:

- 6.1.1. For non-emergency personnel:  
Keep unprotected people away, allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.
- 6.1.2. For emergency responders:  
Use personal protective clothing.  
Keep away sources of ignition.

### 6.2. Environmental precautions:

Do not discharge into the drains/surface waters/ground waters.

### 6.3. Methods and material for containment and cleaning up:

Take up with absorbent material (e.g. diatomaceous earth).

### 6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

## Section 7. Handling and Storage

### 7.1. Precautions for safe handling:

- Observe conventional hygiene precautions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Technical measures:  
No special precautions.
- Precautions against fire and explosion:  
Keep away sources of ignition.

### 7.2. Conditions for safe storage, including any incompatibilities:

- Technical measures and storage condition:  
Keep container tightly closed.
- Store at 15 to 30 °C (= 59 to 86 °F).
- Packaging material: no special prescriptions.

## Section 8. Exposure control / personal protection

### 8.1. Protective Equipment



**8.2. Control parameters:** Use in an enclosed process area is recommended.

**8.3. Personal protective equipment:** Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. Eye protection such as chemical splash goggles and/or face shield must be worn when the possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor.

**8.4. General protective and hygienic measure:** Wash hands after handling material and before eating. See section 7 for full protective measures.

**8.5. Breathing Equipment:** None should be needed from normal use. If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

**8.6. Protection of hands:** Gloves are recommended. Depending on the conditions of use, lab coat and/or arm shields may be used.

Material of gloves, Penetration time of glove material: N/D

**8.7. Eye protection:** Use of safety goggles with side shields is recommended

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## Section 9. Physical and Chemical properties

<b>Physical state:</b>	Liquid.
<b>Color:</b>	Light Yellow.
<b>Odour:</b>	Ester Like.
<b>pH:</b>	Not applicable.
<b>Flash point:</b>	More than 100°C
<b>Explosive properties :</b>	Not applicable.
<b>Solubility in water :</b>	Insoluble
<b>Volatile organic compound :</b>	None.
<b>Specific gravity (Ref std:Water=1) :</b>	1.0-1.1gm/cm <sup>3</sup>
<b>Melting Point :</b>	Not applicable
<b>Boiling Point :</b>	Not applicable
<b>Vapour Density:</b>	Not applicable
<b>Relative Density:</b>	Not applicable

## Section 10. Stability and Reactivity

**10.1. Reactivity:** See part 10.2.

**10.2. Chemical Stability :** Stable under normal temperature conditions. Stable if stored and handles as prescribed/indicated.

**10.3. Possibility Of Hazardous reactions :** Hazardous polymerization. May polymerize.

**10.4. Conditions to avoid:** Conditions to avoid: The product is stabilized. However, polymerization may occur when the expiry date and/or storage temperature is considerably exceeded.

**10.5. Materials to avoid:** When heated above the flash point, flammable vapors are emitted which can mix with air and can burn or be explosive. Vapors are heavier than air and may travel to the source of ignition and flash back. Heat can cause polymerization with a rapid release of energy which may rupture the container explosively.

**10.6. Incompatible materials:** Strong oxidizers, strong reducers, inert gas, and oxygen scavengers.

**10.7. Hazardous decomposition products:** Carbon oxides when burned.

## Section 11. Toxicological Information

**11.1. Stable Acute toxicity:**

LD 50 values that are relevant for classification:

LD 50 values: Oral (rat) LD50: 2000 mg/kg<sup>2</sup>

**Skin irritation :** Irritating

**Eye irritation:** Irritating

**Skin sensitization:** May cause sensitization by skin contact.

**Aspiration Hazard:** No aspiration hazard expected.

Possible irritant. See section 2

**11.2. Acute toxicity:** Possible irritant. See section 2.

**11.3. Primary irritant effect:** See Section 2 for possible skin and eye irritation and sensitization.

**11.4. LD/LC50 values that are relevant for classification:** N/D

**11.5. Additional toxicological information:** N/D

**11.6. IARC (International Agency for Research on Cancer)** None of the components are listed.

**11.7. NTP (National Toxicology Program)** None of the components are listed.

## Section 12. Ecological Information

**12.1. Toxicity:**

May cause long lasting harmful effects to aquatic life.

Do not allow uncontrolled leakage of product into the environment. Product is not allowed to be discharged into the ground water or aquatic environment.

**12.2. Persistence and degradability:**

Not readily degradable.

**12.3. Bioaccumulation potential:**

No data available.

**12.4. Mobility in soil:**

No data available.

**12.5. Results of PBT and vPvB assessment:**

No data available.

**12.6. Other adverse effects:**

Obtain approval of the relevant authorities before discharging into sewage treatment plants.

Water contaminating class (D): 1 - slightly water contaminating

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## Section 13. Disposal considerations

### Waste Treatment Methods

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations. Incinerate under approved controlled conditions, using incinerators for the disposal for organic chemicals. Decontaminate empty drums before recycling.

**Recommendation:** Cure material before disposal. Dispose in accordance with all federal, state and local regulations. Consult state and local hazardous waste regulations to ensure complete and accurate classification of waste. US EPA guidelines for the classification of hazardous waste are found in 40 CFR part 261.3.

### Uncleaned packaging:

**Recommendation:** Rinse with alcohol. Contain and dispose of rinse material according to all federal, state and local regulations.

**Recommended cleansing agent:** alcohol

## Section 14. Transport Information

### Land transport (ADR/RID)

- |                                   |  |
|-----------------------------------|--|
| 14.1. UN number:                  | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name:    | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group:              | No dangerous good in sense of this transport regulation. |

### Inland waterways transport (ADN)

- |                                   |  |
|-----------------------------------|--|
| 14.1. UN number:                  | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name:    | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group:              | No dangerous good in sense of this transport regulation. |

### Marine transport (IMDG)

- |                                   |  |
|-----------------------------------|--|
| 14.1. UN number:                  | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name:    | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group:              | No dangerous good in sense of this transport regulation. |

### Air transport (ICAO-TI/IATA-DGR)

- |                                   |  |
|-----------------------------------|--|
| 14.1. UN number:                  | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name:    | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group:              | No dangerous good in sense of this transport regulation. |

14.6. Special precautions for user No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation

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## Section 15. Regulatory Information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture :

If information other than the information in relation to safety, health and environmental regulations / legislation what is mentioned elsewhere in this Safety Data Sheet is required, please use the information listed in Section 1 to inquire whether that specific information is available. Related information about the separate components in the mixture can be accessed the same way

### 15.2. United States regulations

**Inventory listing (TSCA):** All the ingredients are listed in TSCA

Ingredient IUPAC	C.A.S No & and other unique identifiers	% by Wt.
2,2-bis[4-(2-ethoxy-3-methacryloyloxy propoxy)phenyl]propane	41637-38-1	50-100
Photo initiator	Proprietary	<2

### 15.2.1. EC Classification: Irritant, Sensitizing, and Harmful

Hazard Symbol:- Irritating

H315	Skin corrosion/irritation, Hazard Category 2
H317	Sensitization - Skin, hazard category 1
H319	Serious eye damage/eye irritation, Hazard Category 2
H335	Specific target organ toxicity – Single exposure, Hazard Category 3
H413	May cause long lasting harmful effects to aquatic life. Category 4

## Section 16. Other Information

**16.1. Training tips:** None

**16.2. Recommended restriction(s) on use:** No special measures are required.

**16.3. Further information:** REJECTION OF LIABILITY We have obtained the information in this data sheet from sources that we consider reliable. The accuracy of expressed or implied information cannot be guaranteed. The conditions or methods for handling, storage, use or disposal of the product are beyond our control and possibly also our knowledge. For these and other reasons, we accept no responsibility and expressly reject liability for any losses, damage or costs that may arise from handling, storage, use or disposal of the product or that may be associated therewith in any way. This Safety Data Sheet was created for this product and may only be used for this product. If the product is used as a component of another product, the information indicated in the data sheet may not apply. This information is based on our current knowledge and should only describe the product with regard to health, safety and environmental conditions. It must therefore not be construed as a guarantee for any specific property of the product.