Material Safety Data Sheet
EASYCAST HD
CASTABLE RESINS FOR DLP/LCD PRINTERS
3D Printing Resin Photopolymer Resin

1. Chemical Product & Company Identification
Identification of the substance: EASYCAST HD
Use of the substance / preparation: UV resin for 3D printer
Company / undertaking identification: Creative CADWorks 27 Queen St. East Suite 1401
Toronto, On. M5C 2M6 Canada
Emergency telephone: +1 416 368 7266

2. Hazardous Identification

<table>
<thead>
<tr>
<th>Classification/Symbol</th>
<th>Risk Phrases</th>
<th>Safety Phrases</th>
<th>Hazard Statements</th>
<th>Precautionary statements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R22 - Maybe harmful if swallowed</td>
<td>S7 - Keep container tightly closed</td>
<td>H315 - Causes skin irritation</td>
<td>P202 - Do not handle until all safety precautions have been read and understood</td>
</tr>
<tr>
<td></td>
<td>R36/37/38 - Irritating to eyes, respiratory system &amp; skin</td>
<td>S9 - Keep container in a well-ventilated place</td>
<td>H317 - May cause an allergic skin reaction</td>
<td>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking</td>
</tr>
<tr>
<td></td>
<td>R43 - May cause sensitisation by skin contact</td>
<td>S20 - When using do not eat or drink</td>
<td></td>
<td>P233 - Keep container tightly closed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S24/25 - Avoid contact with eyes and skin.</td>
<td></td>
<td>P261 - Avoid breathing dust, fume, gas, mist, vapours, spray</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S26 - In case of contact with eyes, rinse immediately with plenty water and seek medical advice.</td>
<td></td>
<td>P262 - Do not get in eyes, on skin, or on clothing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S28 - After contact with skin, wash immediately with plenty of water.</td>
<td></td>
<td>P264 - Wash thoroughly after handling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S29 - Do not empty into drains</td>
<td></td>
<td>P271 - Use only outdoors or in a well-ventilated area. Hazardous polymerization may occur upon depletion of inhibitor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S37/39 - Wear suitable gloves and eye/face protection</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Composition of components</th>
<th>Weight%</th>
<th>Cas No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methacrylated oligomer</td>
<td>Proprietary</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Methacrylated monomer</td>
<td>Proprietary</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Photoinitiator &amp; Additives</td>
<td>Proprietary</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

4. First-aid measures

Contact with skin: Immediately take off all contaminated clothing. Wash skin immediately with mild soap/water for at least 15 minutes. If resin is not completely removed use waterless cleaner first. Seek medical advice if irritation persists.
5. Fire fighting measures

Recommended extinguishers: CO2, Foam, Chemical powders, sand or earth. Use water based extinguishers with caution.

Extinguishers not to be used: None in particular.

Risks arising from combustion: Avoid inhaling the fumes. Incomplete combustion releases toxic gases.

Protective equipment: Use protection for the airways.

7. Handling and storage

Handling precautions: Avoid contact with and inhalation of vapours and/or dusts. Do not eat or drink or smoke while working.

Incompatible materials: Keep away from amines, strong bases, acids and strong oxidants.

Storage conditions: Storage temperature: between 15°C/59°F to 35°C/95°F. Keep in a dry place, in original containers tightly closed, avoid heat/ignition and light sources. Prevent contamination by foreign materials and water. For industrial use only, keep away from children.

8. Exposure control/personal protection

Precautionary measures: Provide adequate ventilation to the areas where the product is stored and/or handled.

Respiratory protection: Required where ventilation/aspiration is insufficient or exposure is prolonged, or applications in which the product is sprayed or heated. Required in case of machine or applications that release dust.

Protection for hands: Use protective gloves. For an extended exposure of the product, wear nitrile/neoprene gloves.

Eye protection: Safety goggles.

Protection for skin: Use clothing that provides complete protection to the skin.

9. Physical and chemical properties

Appearance and color: Liquid; Brown, green, red or violet

Odour: Light

pH: Not available

Melting point: Not available

Boiling point: Not available

Flash point: >100° C

Explosive properties: Not available

Combustion-related properties: Not available

Specific gravity: 1.10 g/cm3 at 25° C

Viscosity: 175-230 cps

Solubility in water: Insoluble

10. Stability & Reactivity

Conditions to avoid: Stable under normal conditions.

Substances to avoid: The product reacts exothermically with amines, Lewis acids and mercaptans.

Hazardous decompositional products: Upon incomplete combustion carbon monoxide is formed.

11. Toxicological information

There is no toxicological data available on the mixture

12. Ecological Information

The experimental information related to the eco-toxicological properties of the mixture itself is not available

Toxicity: Not available

Persistence and degradability: Not available

Bio-accumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB assessment: Non-applicable

Other adverse effects: Non-applicable

13. Disposal Considerations

Recover if possible. In doing so, comply with the local and national regulations currently in force. Avoid release to the environment. Refer to special instructions/Safety data sheets. Where applicable, refer to the following regulatory provisions: 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

US Department of Transportation (DOT)

Not Regulated

International Maritime Dangerous Goods Code (IMDG)

Not Regulated

IATA

Not Regulated

15. Regulatory Information

All components are in compliance with the following inventories: US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippines PICCS, Chinese IESEC REACH No.: A registration number is not available for this substance as the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. Pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986, (SARA) and 40 CFR 372 Part 372, this product does not contain chemicals at levels greater or equal to 0.1% subject to the reporting requirements under Section 313. California Proposition 65: This product does not contain chemicals at levels greater or equal to 0.1% which are known to the state of California to cause birth defects or other reproductive harm.

Information provided by Creative CADWorks
27 Queen St, East Suite 1401
Toronto, Ont. M5C 2M6, Canada

Date: May 24, 2016

Version: 1

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific intended use.