Section 1. Product Identification

1.1 Product identifier
  Product name: IC3D UV-Stable PETG

1.2 Details of the supplier of the Safety Data Sheet
  IC3D, Inc
  1697 Westbelt Drive
  Columbus, OH 43228
  614-344-0414

Section 2. Hazards identification

2.1 Classification of the substance or mixture
  The product is not classified, according to the Globally Harmonized System (GHS).

2.2 Label elements
  GHS label elements Void
  Hazard pictograms Void
  Signal word Void
  Hazard statements Void
  Classification system:
  NFPA ratings (scale 0 - 4)
  
  Health = 0
  Fire = 1
  Reactivity = 0

  HMIS-ratings (scale 0 – 4)
  
  Health = 0
  Fire = 1
  Reactivity = 0

Results of PBT and vPvB assessment
  PBT: Not applicable
  vPvB: Not applicable
Section 3. Composition/information on ingredients

3.1 Chemical characterization: Mixtures

3.2 Description: Mixture of the substances listed below with nonhazardous additions.

3.3 Dangerous components: Void

Section 4. First-aid measures

4.1 Description of first aid measures:

General information: No special measures required
Following inhalation: Supply fresh air; consult doctor in case of complaints.
Following skin contact: Generally, the product does not irritate the skin.
Following eye contact: Rinse opened eye for several minutes under running water.
Following ingestion: If symptoms persist, consult doctor.

Information for doctor:
Most important symptoms and effects, both acute and delayed:
No further relevant information available.
Indication of any immediate medical attention and special treatment needed:
No further relevant information available

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment & emergency procedures:

Not required

6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up
Pick up mechanically.

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.

6.5 Protective Action Criteria for Chemicals
   PAC-1: None of the ingredients is listed.
   PAC-2: None of the ingredients is listed.
   PAC-3: None of the ingredients is listed.

Section 7. Handling and storage

7.1 Handling
   Precautions for safe handling: No special measures required.
   Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
   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: None.
   Specific end use(s): No further relevant information available.

Section 8. Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.
8.1 Control parameters
   Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
   Additional information: The lists that were valid during the creation were used as basis.
8.2 Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:** Not required.

**Protection of hands:** The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:** The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.

**Eye protection:** Not required.

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### Section 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Form:</td>
<td>Solid</td>
</tr>
<tr>
<td>Color:</td>
<td>According to product specification</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not applicable</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>Undetermined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flash point:</th>
<th>454°C (849.2°F)</th>
</tr>
</thead>
</table>

| Flammability (solid, gaseous): | Not determined |
| Decomposition temperature:     | Not determined |
| Auto igniting:                  | Product is not self-igniting |
| Danger of explosion:            | Product does not present an explosion hazard. |
| Explosion limits:               |          |
| Lower:                           | Not determined |
| Upper:                           | Not determined |
| Vapor pressure:                  | Not applicable |
| Density:                         | Not determined |
| Relative density                 | Not determined |
Vapor density | Not applicable
---|---
Evaporation rate | Not applicable
Solubility in / Miscibility with Water | Soluble
Partition coefficient (n-octanol/water): | Not determined
Viscosity:
  Dynamic: | Not applicable
  Kinematic: | Not applicable
Solvent content:
  VOC content: | 0.00%
Solids content: | 100.0%
Other information: | No further relevant information available

### Section 10. Stability and reactivity

**10.1 Reactivity:** No further relevant information available.

**10.2 Chemical stability**

- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications
- **Possibility of hazardous reaction:** No dangerous reactions known
- **Conditions to avoid:** No further relevant information available
- **Incompatible materials:** No further relevant information available
- **Hazardous decomposition products:** No dangerous decomposition products known

### Section 11. Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity:**

- **Primary irritant effect:**
  - On the skin: No irritating effect
  - On the eye: No irritating effect
  - Sensitization: No sensitizing effects known

**Additional toxicological information:** The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.
NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

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

12.5 Results PBT & 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: Smaller quantities can be disposed of with household waste.

13.2 Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary, with cleansing agents.

Action 14. Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, ADR, IMDG, IATA</th>
<th>UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Void</td>
<td></td>
</tr>
</tbody>
</table>
Section 15. Regulatory information

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

Section 355 (extremely hazardous substances):
None of the ingredients is listed

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed

TSCA (Toxic Substances Control Act):
All components have the value ACTIVE.

Hazardous Air Pollutants:
None of the ingredients is listed.

15.2 Preposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

15.3 Carcinogenic categories

EPA (Environmental Protection Agency):
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH):
None of the ingredient is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients is listed.

**GHS label elements**: Void
**Hazard pictograms**: Void
**Signal word**: Void
**Hazard statements**: Void

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

### Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

- **ADR**: Accord
- **IMDG**: International Maritime Code for Dangerous Goods
- **DOT**: US Department of Transportation
- **IATA**: International Air Transport Association
- **ACGIH**: American Conference of Governmental Industrial Hygienists
- **EINECS**: European Inventory of Existing Commercial Chemical Substances
- **ELINCS**: European List of Notified Chemical Substances
- **CAS**: Chemical Abstracts Service (division of the American Chemical Society)
- **NFPA**: National Fire Protection Association (USA)
- **HMIS**: Hazardous Materials Identification System (USA)
- **VOC**: Volatile Organic Compounds (USA, EU)
- **PBT**: Persistent, Bio accumulative and Toxic
- **vPvB**: very Persistent and Bio accumulative
- **NIOSH**: National Institute for Occupational Safety
- **OSHA**: Occupational Safety & Health
- **TLV**: Threshold Limit Value
- **PEL**: Permissible Exposure Limit
- **REL**: Recommended Exposure Limit

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**IC3D Disclaimer for filament SDS and TDS**: This data sheet is based on information from source material supplier(s) and other parties and is, to the best of IC3D’s knowledge, accurate and reliable as of the date compiled. However, IC3D makes no representation or guarantee as to the accuracy, reliability, or completeness of the information. **NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION.** This information relates to the specific material designated and may not be valid if the material is used in combination with any other materials or in any particular process. It is the user's responsibility to determine the suitability of the material for a particular use. **IC3D does not accept liability for any loss or damage that may result from the use of this information.**