1 Identification

· Product name: Transparent Thermoplastic Powder
· Part number: 165-10005, 165-10025
· CAS Number: 9011-14-7
· Application of the substance / the mixture Acrylic resin
· Details of the supplier of the safety data sheet
· Manufacturer/Supplier: Allied High Tech Products Inc.
   2376 East Pacifica Place
   USA-RANCHO DOMINGUEZ, CA 90220
   USA
   info@alliedhightech.com
· Information department: Product safety department
· Emergency telephone number:
   During normal opening times: +1 (310) 635-2466
   Chemtrec: +1 (202) 483-7616

2 Hazard(s) identification

· Classification of the substance or mixture
  Combustible Dust May form combustible dust concentrations in air.

· Label elements
· GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS).
· Hazard pictograms Void
· Signal word Warning
· Hazard statements
  May form combustible dust concentrations in air.
· Classification system:
· NFPA ratings (scale 0 - 4)
  Health = 0
  Fire = 0
  Reactivity = 0

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

· Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.
Product name: Transparent Thermoplastic Powder

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Substances
· CAS No. Description
  9011-14-7 Methyl methacrylate polymer

4 First-aid measures

· Description of first aid measures
  · After inhalation: Supply fresh air; consult doctor in case of complaints.
  · After skin contact: Generally the product does not irritate the skin.
  · After eye contact: Rinse opened eye for several minutes under running water.
  · After swallowing: 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.

5 Fire-fighting measures

· Extinguishing media
· Suitable extinguishing agents: Use fire fighting measures that suit the environment.
· Special hazards arising from the substance or mixture No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.
· Environmental precautions: Do not allow to enter sewers/surface or ground water.
· Methods and material for containment and cleaning up: Dispose of the collected material according to regulations.
· 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.
· Protective Action Criteria for Chemicals

| PAC-1: | Substance is not listed. |
| PAC-2: | Substance is not listed. |
| PAC-3: | Substance is not listed. |

7 Handling and storage

· Handling:
  · Precautions for safe handling No special precautions are necessary if used correctly.
  · Information about protection against explosions and fires: No special measures required.
· Conditions for safe storage, including any incompatibilities
· Storage:
  · Requirements to be met by storerooms and receptacles:
    Store in a cool location.
    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.
8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

- Control parameters

  - Components with limit values that require monitoring at the workplace:

    | Substance                  | Long-term value |
    |---------------------------|-----------------|
    | 9011-14-7 Methyl methacrylate polymer | 410 mg/m³ |
    |                           | 205 mg/m³ |

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls

- Personal protective equipment:

- General protective and hygienic measures: Wash hands before breaks and at the end of work.

- Breathing equipment:

  - Not required.
  - Use suitable respiratory protective device in case of insufficient ventilation.

- Protection of hands: Not required.

- 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.

- Penetration time of glove material

  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Not required.

9 Physical and chemical properties

- Information on basic physical and chemical properties

  - General Information

    - Appearance:
      - Form: Granulate
      - Color: White
      - Odor: methacrylate-like
      - Odor threshold: Not determined.
    - pH-value: Not applicable.

    - Change in condition
      - Melting point/Melting range: 150 °C (302 °F)
      - Boiling point/Boiling range: Undetermined.

    - Flash point: 250 °C (482 °F)

    - Flammability (solid, gaseous): Product is not flammable.

    - Decomposition temperature: Not determined.

    - Auto igniting: Not determined.

    - Danger of explosion: Product does not present an explosion hazard.

    - Explosion limits:
      - Lower: Not determined.
      - Upper: Not determined.

    - Vapor pressure: Not applicable.

    - Density at 20 °C (68 °F): 1.2 g/cm³ (10.014 lbs/gal)
    - Relative density: Not determined.
    - Vapor density: Not applicable.
    - Specific gravity: 1.18
Product name: Transparent Thermoplastic Powder

<table>
<thead>
<tr>
<th>· Evaporation rate</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Solubility in / Miscibility with Water:</td>
<td>Insoluble.</td>
</tr>
<tr>
<td>· Partition coefficient (n-octanol/water):</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>VOC content:</td>
<td>0.00 %</td>
</tr>
<tr>
<td>· Solids content:</td>
<td>100.0 %</td>
</tr>
<tr>
<td>· Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

· Reactivity No further relevant information available.
· Chemical stability
· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
· Possibility of hazardous reactions No dangerous reactions known.
· Conditions to avoid Keep away from heat.
· Incompatible materials: No further relevant information available.
· Hazardous decomposition products: Methacrylate monomers Carbon monoxide and carbon dioxide
· Additional information: Hazardous decomposition products may form during combustion.

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:
· Primary chemical irritant effect:
  · on the skin: No irritant effect.
  · on the eye: No irritating effect.
· Sensitization: No sensitizing effects known.
· Additional toxicological information: Abrasive eye irritant
· Carcinogenic categories

12 Ecological information

· Toxicity
· Aquatic toxicity: No further relevant information available.
· Persistence and degradability Not easily biodegradable
· Behavior in environmental systems:
· Bioaccumulative potential Non significant accumulation in organisms
· Mobility in soil No further relevant information available.
· Additional ecological information:
· General notes: Water hazard class 1 (Assessment by list): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Contact waste processors for recycling information.

- **Uncleaned packagings**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

<table>
<thead>
<tr>
<th><strong>UN-Number</strong></th>
<th>not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT, ADN, IMDG, IATA</strong></td>
<td>not regulated</td>
</tr>
</tbody>
</table>

| **UN proper shipping name** | not regulated |
| **DOT, ADN, IMDG, IATA** | not regulated |

| **Transport hazard class(es)** | not regulated |
| **DOT, ADN, IMDG, IATA** | not regulated |

| **Class** | not regulated |

| **Packing group** | not regulated |
| **DOT, IMDG, IATA** | not regulated |

| **Environmental hazards** | No |
| **Marine pollutant** | |

| **Special precautions for user** | Not applicable |

| **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable |

| **UN "Model Regulation"** | not regulated |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**

| **Section 355 (extremely hazardous substances):** |
| Substance is not listed |

| **Section 313 (Specific toxic chemical listings):** |
| Substance is not listed |

| **TSCA (Toxic Substances Control Act):** |
| ACTIVE |

| **Hazardous Air Pollutants** |
| Substance is not listed |

| **Proposition 65** |
| **Chemicals known to cause cancer:** |
| Substance is not listed |

| **Chemicals known to cause reproductive toxicity for females:** |
| Substance is not listed |

| **Chemicals known to cause reproductive toxicity for males:** |
| Substance is not listed |
Product name: Transparent Thermoplastic Powder

- Chemicals known to cause developmental toxicity: Substance is not listed.

- Carcinogenic categories
  - EPA (Environmental Protection Agency) Substance is not listed.
  - TLV (Threshold Limit Value established by ACGIH) Substance is not listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.

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

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.

- Department issuing SDS: Environment protection department.
- Contact: Kim Dermit
- Last revision: 04/27/2020 / 1.0

- Abbreviations and acronyms:
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - TEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit