1 Identification

- **Product name:** Mounting Wax, Hot
- **Part number:** 71-10040, 71-10050
- **Application of the substance / the mixture:** Adhesives
- **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@alliedhihtech.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**
  
  ![GHS08 Health hazard]
  Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

  ![GHS05 Corrosion]
  Eye Dam. 1 H318 Causes serious eye damage.

  ![GHS07]
  Skin Irrit. 2 H315 Causes skin irritation.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
Product name: Mounting Wax, Hot

· Hazard pictograms

![Pictograms](image)

- GHS05
- GHS07
- GHS08

· Signal word Danger

· Hazard-determining components of labeling:
  phthalic anhydride

· Hazard statements
  Causes skin irritation.
  Causes serious eye damage.
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
  May cause respiratory irritation.

· Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Wash thoroughly after handling.
  Use only outdoors or in a well-ventilated area.
  Contaminated work clothing must not be allowed out of the workplace.
  Wear protective gloves / eye protection / face protection.
  [In case of inadequate ventilation] wear respiratory protection.
  If on skin: Wash with plenty of water.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  Immediately call a poison center/doctor.
  Specific treatment (see on this label).
  Take off contaminated clothing and wash it before reuse.
  If skin irritation or rash occurs: Get medical advice/attention.
  If experiencing respiratory symptoms: Call a poison center/doctor.
  Wash contaminated clothing before reuse.
  Store in a well-ventilated place. Keep container tightly closed.
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)

- Health = 3
- Fire = 1
- Reactivity = 0

· HMIS-ratings (scale 0 - 4)

- Health = *3
- Fire = 1
- Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment
  · PBT: Not applicable.
  · vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.
Product name: Mounting Wax, Hot

<table>
<thead>
<tr>
<th>Hazardous Components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>85-44-9 phthalic anhydride</td>
<td>50-100%</td>
</tr>
<tr>
<td>Resp. Sens. 1, H334;</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1, H318;</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>107-21-1 ethylene glycol</td>
<td>25-50%</td>
</tr>
<tr>
<td>Acute Tox. 4, H302</td>
<td></td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
  · General information: Immediately remove any clothing soiled by the product.
  · After inhalation:
    Supply fresh air and to be sure call for a doctor.
    In case of unconsciousness place patient stably in side position for transportation.
  · After skin contact: Immediately wash with water and soap and rinse thoroughly.
  · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  · After swallowing: If symptoms persist consult doctor.
  · Information for doctor:
    Most important symptoms and effects, both acute and delayed
    Breathing difficulty
    Coughing
  · 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 Wear protective equipment. Keep unprotected persons away.
  · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
  · Methods and material for containment and cleaning up:
    Use neutralizing agent.
    Dispose contaminated material as waste according to item 13.
    Ensure adequate ventilation.
  · 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: |
|-----------------------|---|
| 85-44-9 phthalic anhydride | 18 mg/m³ |
| 107-21-1 ethylene glycol | 30 ppm |

| PAC-2: |
|-----------------------|---|
| 85-44-9 phthalic anhydride | 56 mg/m³ |
| 107-21-1 ethylene glycol | 150 ppm |

| PAC-3: |
|-----------------------|---|
| 85-44-9 phthalic anhydride | 10,000 mg/m³ |
| 107-21-1 ethylene glycol | 900 ppm |
7 Handling and storage

- Handling:
  - Precautions for safe handling: Thorough dusting.
  - 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: Suitable material for receptacles and pipes: steel or stainless steel.
  - Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
  - Keep receptacle tightly sealed.
  - Store receptacle in a well ventilated area.
- 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>Long-term value: 12 mg/m³, 2 ppm</td>
</tr>
<tr>
<td>REL</td>
<td>Long-term value: 6 mg/m³, 1 ppm</td>
</tr>
<tr>
<td>TLV</td>
<td>Short-term value: 0.005* mg/m³, 0.0009* ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 0.002* mg/m³, 0.0003* ppm</td>
</tr>
<tr>
<td></td>
<td>*inhalable&amp;vapor; Skin; DSEN, RSEN</td>
</tr>
<tr>
<td>107-21-1 ethylene glycol</td>
<td></td>
</tr>
<tr>
<td>TLV</td>
<td>Short-term value: 10** mg/m³, 50* ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 25* ppm</td>
</tr>
<tr>
<td></td>
<td>*vapor fraction: **inh. fraction, aerosol only</td>
</tr>
<tr>
<td>WEEL</td>
<td>1 (2)</td>
</tr>
</tbody>
</table>

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

- Exposure controls
  - Personal protective equipment:
  - General protective and hygienic measures:
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing.
    - Wash hands before breaks and at the end of work.
    - Avoid contact with the skin.
    - Avoid contact with the eyes and skin.
  - Breathing equipment: Use suitable respiratory protective device when high concentrations are present.
  - Protection of hands:
    - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
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.
Product name: Mounting Wax, Hot

- 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:
  Tightly sealed goggles

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>· Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>· General Information</td>
</tr>
<tr>
<td>· Appearance:</td>
</tr>
<tr>
<td>Form: Solid</td>
</tr>
<tr>
<td>Color: Clear</td>
</tr>
<tr>
<td>Odor: Odorless</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td>· pH-value: Not applicable</td>
</tr>
<tr>
<td>· Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range: 68-74 °C (154.4-101.2 °F)</td>
</tr>
<tr>
<td>Boiling point/Boiling range: &gt;100 °C (&gt;212 °F)</td>
</tr>
<tr>
<td>· Flash point: &gt;263 °C (&gt;505.4 °F)</td>
</tr>
<tr>
<td>· Flammability (solid, gaseous): Not determined.</td>
</tr>
<tr>
<td>· Ignition temperature: 580 °C (1,076 °F)</td>
</tr>
<tr>
<td>· Decomposition temperature: Not determined.</td>
</tr>
<tr>
<td>· Auto igniting: Product is not selfigniting.</td>
</tr>
<tr>
<td>· Danger of explosion: Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>· Explosion limits:</td>
</tr>
<tr>
<td>Lower: 1.7 Vol %</td>
</tr>
<tr>
<td>Upper: 10.5 Vol %</td>
</tr>
<tr>
<td>· Vapor pressure: Not applicable.</td>
</tr>
<tr>
<td>· Density at 20 °C (68 °F): 1.43518 g/cm³ (11.97658 lbs/gal)</td>
</tr>
<tr>
<td>· Relative density: Not determined.</td>
</tr>
<tr>
<td>· Vapor density: &gt;1.0</td>
</tr>
<tr>
<td>· Specific gravity: 1.31</td>
</tr>
<tr>
<td>· Evaporation rate: Not applicable.</td>
</tr>
<tr>
<td>· Solubility in / Miscibility with Water: Insoluble.</td>
</tr>
<tr>
<td>· Partition coefficient (n-octanol/water): Not determined.</td>
</tr>
<tr>
<td>· Viscosity:</td>
</tr>
<tr>
<td>Dynamic: Not applicable.</td>
</tr>
<tr>
<td>Kinematic: Not applicable.</td>
</tr>
<tr>
<td>· Solvent content:</td>
</tr>
<tr>
<td>VOC content: 30.77 %</td>
</tr>
<tr>
<td>· Solids content: 69.2 %</td>
</tr>
<tr>
<td>· Other information No further relevant information available.</td>
</tr>
</tbody>
</table>
Product name: Mounting Wax, Hot

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.
  - Keep away from open flames. - No smoking.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: Carbon monoxide and carbon dioxide
- **Additional information**: Hazardous decomposition products may form during combustion.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**:
  - **LD/LC50 values that are relevant for classification**:
    - **ATE (Acute Toxicity Estimate)**
      - Oral LD50 6,067 mg/kg (rat)
    - **85-44-9 phthalic anhydride**
      - Oral LD50 4,200 mg/kg (rat)
    - **107-21-1 ethylene glycol**
      - Oral LD50 5,840 mg/kg (rat)
      - Dermal LD50 9,430 mg/kg (rabbit)
- **Primary chemical irritant effect**:
  - **on the skin**: Irritant to skin and mucous membranes.
  - **on the eye**: Strong irritant with the danger of severe eye injury.
- **Sensitization**:
  - Sensitization possible through inhalation.
  - Sensitization possible through skin contact.
- **Additional toxicological information**:
- **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.

12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
- **Behavior in environmental systems**:
  - **Bioaccumulative potential**: No further relevant information available.
  - **Mobility in soil**: No further relevant information available.
- **Additional ecological information**:
- **General notes**:
  - Water hazard class 1 (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Product name: Mounting Wax, Hot

· Results of PBT and vPvB assessment
  · PBT: Not applicable.
  · vPvB: Not applicable.
· Other adverse effects No further relevant information available.

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

· UN-Number
  · DOT, ADN, IMDG, IATA not regulated
· UN proper shipping name
  · DOT, ADN, IMDG, IATA not regulated
· Transport hazard class(es)
  · DOT, ADN, IMDG, IATA not regulated
· Class
  · not regulated
· Packing group
  · DOT, IMDG, IATA not regulated
· Environmental hazards:
  · Marine pollutant: No
· 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):
    None of the ingredients is listed.
  · Section 313 (Specific toxic chemical listings):
    All ingredients are listed.
  · TSCA (Toxic Substances Control Act):
    All components have the value ACTIVE.
  · Hazardous Air Pollutants
    All ingredients are listed.
  · Proposition 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.
Product name: Mounting Wax, Hot

- Chemicals known to cause developmental toxicity:
  107-21-1 Ethylene glycol

- Carcinogenic categories
  
- EPA (Environmental Protection Agency)
  None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)
  All components have the value A4.

- NIOSH-Ca (National Institute for Occupational Safety and Health)
  None of the ingredients is 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 Demit
- Last revision: 05/01/2020 / 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
- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- 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
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3