1 Identification

- Product name: Mold Release, Powder (Hot Mounting)
- Part number: 200-10100
- CAS Number: 557-05-1
- EC number: 209-151-9

Application of the substance / the mixture: Releasing agent

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

  Acute Tox. 4 H312 Harmful in contact with skin.

- Label elements
- GHS label elements
  The substance is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms

- Signal word Warning
- Hazard-determining components of labeling:
  zinc distearate, pure
Product name: Mold Release, Powder (Hot Mounting)

- **Hazard statements**
  Harmful in contact with skin.

- **Precautionary statements**
  Wear protective gloves / protective clothing.  
  If on skin: Wash with plenty of water.  
  Call a poison center/doctor if you feel unwell.  
  Specific treatment (see on this label).  
  Take off contaminated clothing and wash it before reuse.  
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 1  
    - Fire = 1  
    - Reactivity = 0
  - **HMIS-ratings (scale 0 - 4)**
    - Health = 1  
    - 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: Substances**
  - CAS No. Description
    - 557-05-1 zinc distearate, pure
  - **Identification number(s)**
  - **EC number:** 209-151-9

### 4 First-aid measures

- **Description of first aid measures**
  - **General information:**
    Immediately remove any clothing soiled by the product.  
    Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.  
  - **After skin contact:** Immediately rinse with water.  
  - **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: Cyanosis
    - 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**: No special measures required.
- **Methods and material for containment and cleaning up**:
  Pick up mechanically.
  Dispose contaminated material as waste according to item 13.
- **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**

<table>
<thead>
<tr>
<th>PAC</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAC-1</td>
<td>30 mg/m³</td>
</tr>
<tr>
<td>PAC-2</td>
<td>330 mg/m³</td>
</tr>
<tr>
<td>PAC-3</td>
<td>2,000 mg/m³</td>
</tr>
</tbody>
</table>

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.
  - **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:

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL Long-term value:</th>
<th>REL Long-term value:</th>
<th>TLV Long-term value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>557-05-1 zinc distearate, pure</td>
<td>15* 5** mg/m³</td>
<td>10* 5** mg/m³</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

*total dust **respirable fraction

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment: Not required.

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.

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: Powder
Color: White
Odor: Mild
Odor threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range: 130 °C (266 °F)
Boiling point/Boiling range: Undetermined.

Flash point: 277 °C (530.6 °F)
### 8 Flammability

- **Flammability (solid, gaseous):** Product is not flammable.
- **Ignition temperature:** 420 °C (788 °F)
- **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:** Not determined.
- **Bulk density:** 100 kg/m³
- **Relative density**
  - Not determined.
- **Vapor density**
  - Not applicable.
- **Specific gravity:** >1.00 (Water = 1)
- **Evaporation rate**
  - Not applicable.
- **Solubility in / Miscibility with**
  - Water: Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
  - VOC content:
    - 0.00 %
    - 0.0 g/l / 0.00 lb/gl
- **Solids content:** 100.0 %
- **Other information**
  - No further relevant information available.

### 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 oxidising agents and acidic substances.
- **Incompatible materials:**
  - No further relevant information available.
- **Hazardous decomposition products:**
  - Zinc oxide
  - Carbon monoxide and carbon dioxide
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    - **ATE (Acute Toxicity Estimate)**
      | Oral  | Dermal |
      |-------|--------|
      | LD50  | LD50   |
      | 5,000 mg/kg (rat) | 2,000 mg/kg (rabbit) |
    - 557-05-1 zinc distearate, pure
      | Oral  | Dermal |
      |-------|--------|
      | LD50  | LD50   |
      | 5,000 mg/kg (rat) | 2,000 mg/kg (rabbit) |
- 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
  - Abrasive skin irritant
- Carcinogenic categories
  - **IARC (International Agency for Research on Cancer)**
    Substance is not listed.
  - **NTP (National Toxicology Program)**
    Substance is not listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**
    Substance is not listed.

12 Ecological information

- Toxicity
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
  - **Behavior in environmental systems**: No further relevant information available.
  - **Bioaccumulative potential**: No further relevant information available.
  - **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.
  - 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.
### 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

- **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 MARPOL 73/78 and the IBC Code**
  - Not applicable.

- **UN "Model Regulation":**
  - not regulated

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### 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 listed.

  - **TSCA (Toxic Substances Control Act):**
    - Substance is 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.

    - **Chemicals known to cause developmental toxicity:**
      - Substance is not listed.
Product name: Mold Release, Powder (Hot Mounting)

- Carcinogenic categories
  - EPA (Environmental Protection Agency)  
    D, I, II
- 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
- Date of preparation / last revision 06/13/2018 / -
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  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
  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