DATE OF ISSUE: 09/20/1999           REVISED ON: 02/03/2004           TOTAL PAGES: 4

1. **Identification of substance:**

   **Product details:**
   
   Trade name: SUN-TACK C9 Petroleum Resin, in primary forms.
   
   Softening Point range 90-140°C R & B.
   
   **Manufacture/Supplier:** United Performance Materials Corporation
   
   **Information:** Product safety department
   
   **Emergency information:** see manufacturer/supplier

2. **Composition/Data on components:** C9 Petroleum resin in primary forms

   **Chemical characterization:**

   **CAS No. Designation:** 64742-16-1 petroleum resin in primary forms

   **Identification number(s):** void (Polymer)

   **Ingredient** | **Formula** | **Content** | **CAS No.**
   --- | --- | --- | ---
   Indene | C9H8 | 20–50% | 95-13-6
   Styrene | C8H7 | 5–10% | 100-42-5
   Vinyl - Toluene | C9H10 | 20–30% | 98-83-9
   Dicyclopentadiene | C10H12 | 20–30% | 77-73-6

3. **Hazards identification:**

   **Hazard designation:** void

4. **First aid measures:**

   **General information:** No special measures required.
   
   **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
   
   **After skin contact:** Clean affected area with soap and plenty of water.
   
   **After eye contact:** Rinse opened eye for several minutes under running water.
   
   **After swallowing:** In case of persistent symptoms consult doctor.
5. Fire fighting measures:
Suitable extinguishing agents: Use fire fighting measures that suit the environment
Protective equipment: No special measures required.

6. Accidental release measures:
Person-related safety precautions: Not required.
Measures for environmental protection: No special measures required.

Measures for cleaning /collecting: collect mechanically.
Additional information: No dangerous materials are release.

7. Handling and storage:
Handling:
Information for safe handling: No special measures required.
Information about protection against exploding and fires: No special measures required.

Storage:
Requirements to be met by storerooms and containers: No special requirements
Trade name: SUN-TACK C9 Petroleum resins, softening point range 90-150°C
R&B, in primary forms.

Information about storage in one common storage facility: Not required
Further information about storage conditions: None

8. Exposure controls and personal protection:
Additional information about design of technical system: see item 7
Personal protective equipment:
General protective and hygienic measures:
  The usual precautionary measures should be adhered to general rules for handling chemicals.
Breathing equipment: Not required.
Protection of hands: Not required.
Eye protection: Not required.
Material Safety Data Sheet
According to 91/155 EC

Body protection: Protective work clothing.

9. Physical and chemical properties:
Form: Solid
Color: Yellow-brown
Odor: Weak, characteristic

<table>
<thead>
<tr>
<th>Change in condition:</th>
<th>Value/Range</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening point/range:</td>
<td>90-140</td>
<td>°C</td>
<td>ASTM E28</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt;230</td>
<td>°C</td>
<td>DIN ISO 2592</td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>&gt;450</td>
<td>°C</td>
<td>DIN 51 794</td>
</tr>
</tbody>
</table>

Self-inflammability: Product is not self-igniting.
Danger of explosion: Dust can form explosive mixtures with air
Critical values for explosion:
Lower: 15 g/㎡
Vapour pressure: at 25°C < 0.2 mbar DIN 51 754
Density: at 25°C 1.06-1.11 g/㎝³ DIN 51 004
Solubility in/Miscibility with water: Insoluble

10. Stability and reactivity:
Thermal decomposition/conditions to be avoided:
No decomposition if used according to specifications.
Dangerous reactions: No dangerous reactions known
Dangerous products of decomposition: No dangerous decomposition products known

11. Toxicological information:
Acute toxicity:
Specific symptoms in biological assay: LD50 (oral-rat): < 10.0G/ KG
Primary irritant effect:
On the skin: No irritant effect.
On the eye: No irritant effect.
Sensitization: No sensitizing effect known.
Additional toxicological information:
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.

12. Ecological Information:
   General Information: Based on experience no adverse effects in drains or sewage systems are to be expected if correct disposal procedures have been followed.

13. Disposal Considerations
   Disposal Classification Number:
   Unused Substance / Remaining Substance
   Recommendation: Observe local requirements. Dispose of in accordance to local Regulations.
   Contaminated Packaging
   Recommendations: Observe local requirements. Dispose of in accordance to local regulations.

14. Transport Information
   Transport / Additional information
   No dangerous good according to international transport regulations.

15. Regulatory information:
   Designation according to EC guidelines:
   Labelling according to EEC Directives/Ordinance on Hazardous Substances is not required.

16. Other information:
   This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
   Department issuing data specification sheet:
   Product safety department