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1. Chemical Product

**Product Name:** Petroleum Jelly

**Chemical name:** Petroleum Jelly

**Synonyms:** Petrolatum

**Chemical Formula:** A complex combination of hydrocarbons.

2. Composition and Information on Ingredients

**Composition:** 100% w/w white petrolatum.

**Toxicological Data on Ingredients:**
- LD$_{50}$ (intraperitoneal mouse > 50gm/kg)
- LD$_{Lo}$ (Skin-Rabbit 100mL/kg/30 days-intermittent)
- Related to Chronic Data: death

3. Hazards Identification

**Potential Acute Health Effects:** Potential for mild irritation of contaminated skin.

**Potential Chronic Health Effects:**

- **CARCINOGENIC EFFECTS:** Not found to be carcinogenic by certain agencies.
- **MUTAGENIC EFFECTS:** N/A
- **TERATOGENIC EFFECTS:** N/A
- **DEVELOPMENTAL TOXICITY:** N/A
### 4. First Aid Measures

**General measures:** N/A

**Skin contact:** Remove contaminated clothing. Wash area with soap and water. In case of persistent irritation consult a physician.

**Serious skin contact:** N/A

**Eye contact:** Check for and remove any contact lenses. Flush eyes with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Consult a physician.

**Ingestion:** Rinse mouth with water. Drink water. Do not induce emesis. Consult a physician.

**Serious indigestion:** N/A

**Inhalation:** Remove from area of exposure. If breathing is difficult, give oxygen. Consult a physician.

**Serious inhalation:** N/A
5. **Fire and Explosion Data**

<table>
<thead>
<tr>
<th><strong>Flammability of the Product:</strong></th>
<th>Slightly flammable.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Auto-Ignition Temperature:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Flash points:</strong></td>
<td>400°F (204°C)</td>
</tr>
<tr>
<td><strong>Flammable limits:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Products of Combustion:</strong></td>
<td>Carbon oxides</td>
</tr>
<tr>
<td><strong>Fire Hazards in Presence of Various Substances:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Explosion Hazards in Presence of Various Substances:</strong></td>
<td>Substance is combustible. If involved in a fire, this substance may decompose producing irritating vapours and toxic compounds e.g. carbon oxides.</td>
</tr>
<tr>
<td><strong>Fire fighting media and Instructions:</strong></td>
<td>Use extinguishing media appropriate for surrounding fire.</td>
</tr>
<tr>
<td><strong>Special Remarks on Fire Hazards:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Special Remarks on Explosion Hazards:</strong></td>
<td>N/A</td>
</tr>
</tbody>
</table>
### 6. Accidental Release Measures

**NB:** Wear appropriate protective equipment/clothing including gloves before removing any spills.

**Small spill:** Wear protective gloves. Do not touch spilled product. Scoop spill with dust binding material or wipe spill using a sponge.

**Large spill:** Put on protective wear which includes rubber gloves, rubber boots, face shield, and Tyvek suit. Use a respirator when there is danger of mists or sprays being generated. Absorb spill by using polypad or other suitable absorbent material. Decontaminate area by using water and a detergent. Place spill residue in an appropriate sealed container. Dispose of in accordance with local procedures.

### 7. Handling and Storage

**Precautions:** An eye bath and shower must be available and ready to use in working area. Avoid contact with eyes, skin and clothing.

**Storage:** Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Keep away from incompatibilities such as oxidizing agents and sources of ignition. Protect from direct sunlight and moisture. Storage temperature: 15-25 °C.
8. Exposure Controls/Personal Protection

Airborne Exposure Limits: N/A

Engineering Controls: Use substance with adequate ventilation.

Personal Protection: Use gloves to prevent prolonged skin contact. Eye protection not normally needed during normal use of substance.

9. Physical and Chemical Properties

Physical state and appearance: Off-white soft paste/semi solid.
Odour: Odourless.
Taste: Tasteless.
Molecular Weight: N/A
pH (1% solution/water): Not applicable.
Boiling Point: 343 °C
Melting Point: 38-62 °C
Critical Temperature: N/A
Specific Gravity (Water = 1): > 0.890 g/mL
Vapour Pressure (mmHg): < 0.1
Vapour Density: > 1
Volatility: N/A
Odour Threshold: Not applicable.
Water/Oil Distribution Coefficient: LogP (o/w): > 6
Ionicity (in Water): N/A
Dispersion Properties: N/A
Solubility: Insoluble in water.
10. Stability and Reactivity Data

Stability: Stable.
Corrosivity: N/A
Instability temperature: N/A
Conditions of Instability: N/A
Incompatibles: Generally compatible with other materials. Acids, caustics and other chemicals should be kept away from petroleum jelly as they could affect its performance.
Polymerization: Will not occur.

11. Toxicological Information

Toxicity to animals:
- LD$_{50}$ (intraperitoneal mouse > 50gm/kg)
- LD$_{Lo}$ (Skin-Rabbit 100mL/kg/30 days-intermittent
- Related to Chronic Data: death

Effects on humans:
Acute potential health effects: Mild irritation may result in contaminated skin. Eye contact may result in temporary blurred vision. Ingestion may result in nausea, vomiting and diarrhoea.

Chronic potential health effects:
MUTAGENIC EFFECTS: N/A
TERATOGENIC EFFECTS: N/A
DEVELOPMENTAL TOXICITY: N/A

Other information: This substance is not known to cause sensitisation with prolonged or repeated use.

12. Ecological Information

Ecotoxicity: Not much information is available. This substance may be harmful to contaminated terrestrial, aquatic plant and animal life, especially in large amounts.
13. **Disposal Considerations**

**Waste Disposal:** Must be in accordance with local environmental control regulations. Avoid unauthorised disposal.

14. **References**


15. **Appendices**

N/A
## 16. Revision History

<table>
<thead>
<tr>
<th>Version Number</th>
<th>Amendments/ Reasons for change</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Initial Release</td>
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</table>