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1. Chemical Product

**Product Name:** Lanolin

**Chemical name:** Not applicable

**Synonyms:** Wool Fat; Agnolin; ADEPS Lane; Agnin; Oesipos ; Aqnin; Alaourin; Agnilin; Lanum; Lanain; Lanain; Lanichol; Laniol.

**Chemical Formula:** Not applicable

2. Composition and Information on Ingredients

**Composition:** Lanolin >70%, Water <30%

**Toxicological Data on Ingredients:** Not applicable

3. Hazards Identification

**Potential Acute Health Effects:** May cause mild skin irritation and when ingested in large amounts, may cause gastrointestinal irritation. It is not irritating to the eye, but on direct contact may produce transient discomfort characterised by tearing or conjunctival redness.

**Potential Chronic Health Effects:**

*CARCINOGENIC EFFECTS:* Not applicable

*MUTAGENIC EFFECTS:* Not applicable

*TERATOGENIC EFFECTS:* Not applicable

*DEVELOPMENTAL TOXICITY:* Not applicable
4. First Aid Measures

**General measures:**

**Skin contact:** Remove contaminated clothing and shoes, and flush skin and hair with soap and running water for at least 15 minutes. If irritation occurs seek medical attention.

**Serious skin contact:** Not applicable

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists seek medical attention.

**Ingestion:** Immediately give a glass of water or milk if victim is conscious and alert. Do not induce vomiting.

**Serious ingestion:** Not applicable

**Inhalation:** Immediately remove victim from contaminated area and move to fresh air. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Serious inhalation:** Not applicable

5. Fire and Explosion Data

**Flammability of the Product:** Slight fire hazard when exposed to heat or flame.

**Auto-Ignition Temperature:** 445°C

**Flash points:** 238°C

**Flammable limits:** Not applicable

**Products of Combustion:** Carbon monoxide (CO), carbon dioxide (CO₂), other pyrolysis products typical of burning organic material.

**Fire Hazards in Presence of Various Substances:** Oxidizing agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.
Explosion Hazards in Presence of Various Substances: Not applicable

Fire fighting media and Instructions: Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray. Wear adequate personal protection to prevent contact with material or its combustion products and a self contained breathing apparatus with a full face piece.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and fumes.

Special Remarks on Explosion Hazards: Above the flash point, may form an explosive mixture with air.

6. Accidental Release Measures

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

Small spills: Absorb on sand or vermiculite and clean up immediately. Avoid contact with skin and eyes by wearing safety goggles and impervious gloves. Flush spill area with water and provide ventilation.

Large spill: Alert emergency responders about location of spill.

7. Handling and Storage

Precautions: Avoid contact with eyes, skin, and clothing and wash thoroughly after handling.

Storage: Store in a tightly closed container (metal can or drum), placed in a cool, dry, well-ventilated area, away from incompatible substances.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: Not applicable

Engineering Controls: If risk of overexposure exists, wear an approved respirator.
**Personal Protection:** Wear appropriate protective eyeglasses or goggles, protective clothing such as impervious rubber gloves and coveralls, and an approved respirator to prevent irritation of the respiratory tract.

9. **Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state and appearance:</strong></td>
<td>Yellow-white unctuous mass</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>Slight characteristic odour</td>
</tr>
<tr>
<td><strong>Taste:</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Molecular Weight:</strong></td>
<td>0g</td>
</tr>
<tr>
<td><strong>pH (1% solution/water):</strong></td>
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</tr>
<tr>
<td><strong>Boiling Point:</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Melting Point:</strong></td>
<td>36.1°C</td>
</tr>
<tr>
<td><strong>Critical Temperature:</strong></td>
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</tr>
<tr>
<td><strong>Specific Gravity (Water = 1):</strong></td>
<td>0.93</td>
</tr>
<tr>
<td><strong>Vapour Pressure (mmHg):</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Vapour Density:</strong></td>
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</tr>
<tr>
<td><strong>Vapour Pressure (mmHg):</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Odour Threshold:</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Water/Oil Distribution Coefficient:</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Ionicity (in Water):</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Dispersion Properties:</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Solubility:</strong></td>
<td>Sparingly soluble in cold water, more soluble in hot. Soluble in chloroform and ether.</td>
</tr>
</tbody>
</table>

10. **Stability and Reactivity Data**

**Stability:** Stable under normal temperatures and pressures.

**Corrosivity:** Not applicable

**Instability temperature:** Not applicable

**Conditions of Instability:** High temperatures, sparks, open flames, and all other sources of ignition.

**Incompatibles:** Oxidising agents
Polymerization: Not applicable

11. Toxicological Information

Toxicity to animals:
Oral, rat: LD50 = >90 mL/kg

Effects on humans:
Acute potential health effects: Not applicable

Chronic potential health effects:
MUTAGENIC EFFECTS: Not applicable
TERATOGENIC EFFECTS: Not applicable
DEVELOPMENTAL TOXICITY: Not applicable

Other information: Product is highly hygroscopic.

12. Ecological Information

Ecotoxicity: Not applicable

13. Disposal Considerations

Waste Disposal: What is not recycled must be handled as hazardous waste and sent to an approved incinerator or disposed in an approved waste facility. Dispose in the container marked NON-HAZARDOUS WASTE.

14. References

LANOLIN

Valid for: 2 years from approval

500+%3Cimg+src%3D%22%2Fglyphs%2Fgsa_glyph.gif%22+width%3D%22300%22+height%3D%22213%22+alt%3D%22Available+on+GSA%2FVA+Contract+for+Federal+Government+customers+only.%22+title%3D%22Available+on+GSA%2FVA+Contract+for+Federal+Government+customers.%22+border%3D%2220%22+3E%26%23160%3B&vendorId=VN00033897&storeId=10652


15. Appendices

Not applicable

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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