SAFETY DATA SHEET

Section 1: Product and Company Identification

Product: ZymeCling
Synonyms: NILODOR, INC.
10966 INDUSTRIAL PARKWAY NW
BOLIVAR, OHIO 44612, USA

Non-Emergency: 24 hr Emergency Spill Information:
US 800-443-4321
International +01-330-874-1017

Section 2. Hazards Identification

EMERGENCY OVERVIEW
Appearance/Odor: Opaque white viscous liquid, spicy aroma

WARNING
Flammability: Not classified as flammable
Health Hazards Listed: Not applicable
Ecological Hazards Listed: None known
Potential Health Effects: See section 11 for more information.

Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system and skin

Safety Phrases: S13 - Keep away from food, drink and animal feedingstuffs
S37/39 - Wear suitable gloves and eye/face protection

Hazard Phrases: H303 - May be harmful if swallowed
H305 - May be harmful if swallowed and enters airways

Precautionary Phrases: P233 - Keep container tightly closed.
P234 - Keep only in original container.
P235 - Keep cool.

Likely Routes of Exposure: Not applicable
Eye: Direct exposure can irritate
Skin: Prolonged exposure can irritate
Ingestion: Not expected to be a problem
Inhalation: Not applicable

Medical Conditions Aggravated By Exposure:
Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: (See section 12 for more information.)
None known

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>% by Weight</th>
<th>WHMIS Controlled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opacifier</td>
<td>Proprietary</td>
<td>&lt; 5.0%</td>
<td>N</td>
</tr>
<tr>
<td>Non-Pathogenic Active Bacterial Culture</td>
<td>Proprietary</td>
<td>&lt; 5.0%</td>
<td>N</td>
</tr>
<tr>
<td>Acrylate Copolymer Rheology Modifier</td>
<td>Proprietary</td>
<td>&lt; 5.0%</td>
<td>N</td>
</tr>
<tr>
<td>Non-Ionic Surfactant Mixture</td>
<td>Proprietary</td>
<td>&lt; 10.0%</td>
<td>Y</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>25322-68-3</td>
<td>0.1% - 1.0%</td>
<td>N</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75.0% - 100.0%</td>
<td>N</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures
Eye Contact: Flush eyes with copious amounts of clean water. Hold lids apart. If irritation persists, consult a physician.
Skin Contact: Wash with soap and water.
Inhalation: Remove to fresh air.
Ingestion: Give water or milk to drink if conscious.

Note to Physicians:

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water
Unsuitable Extinguishing Media: None known
Products of Combustion: Oxides of carbon and nitrogen
Protection of Firefighters: As for surrounding fire

Section 6. Accidental Release Measures
Personal Precautions: Keep out of eyes. Avoid skin contact
Environmental Precautions: Keep out of surface waters.
Methods for Containment: Dike with sand, clay or other suitable material.
Methods for Clean-Up: Absorb on sand, clay or other suitable material. Mop up hard surfaces with water.

Section 7. Handling and Storage
HANDLING
Normal care.
STORAGE
### Section 8. Exposure Controls/Personal Protection

**EXPOSURE GUIDELINES**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>TWA: LD-50</th>
<th>Opacifier</th>
<th>None established</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Pathogenic Active Bacterial Culture</td>
<td>None established</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acrylate Copolymer Rheology Modifier</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Ionic Surfactant Mixture</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>None established</td>
<td>30,000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engineering Controls:** Not normally necessary

**Eye/Face Protection:** Protective goggles if handling large quantities

**Skin Protection:** Rubber or other protective gloves if handling large quantities

**Respiratory Protection:** Not normally necessary.

**General Hygiene Considerations:** Reasonable care. Keep out of food and beverages.

### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color:</strong></td>
<td>White, Opaque</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Spicy</td>
</tr>
<tr>
<td><strong>Physical State:</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Odor Threshold:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>pH:</strong></td>
<td>6.5 - 8.0</td>
</tr>
<tr>
<td><strong>Freezing Point:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Evaporation Rate:</strong></td>
<td>As water</td>
</tr>
<tr>
<td><strong>Boiling Point:</strong></td>
<td>&gt;100C / &gt;212F</td>
</tr>
<tr>
<td><strong>Flash Point:</strong></td>
<td>&gt; 205 F (PMCC)</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Upper Flammability Limit:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Lower Flammability Limit:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapor Pressure:</strong></td>
<td>As water</td>
</tr>
<tr>
<td><strong>Specific Gravity:</strong></td>
<td>1.01 - 1.06</td>
</tr>
<tr>
<td><strong>Auto-ignition Temperature:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Volatile Organic Compound (VOC),% weight:</strong></td>
<td>&lt; 1.0%, all fragrance</td>
</tr>
<tr>
<td><strong>Percent Volatile:</strong></td>
<td>More than 95% including water</td>
</tr>
<tr>
<td><strong>Solubility (water):</strong></td>
<td>Soluble</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

**Stability:** Stable

**Conditions to Avoid:** Not applicable

**Incompatible Materials:** None known

**Hazardous Decomposition Products:** None known

**Possibility of Hazardous Reactions:** Extremely unlikely

### Section 11. Toxicology Information

**ACCUTE EFFECTS**

**Oral LD50:** Not evaluated as a mixture. Weighted average more than 15 grams per kilogram.

**Dermal LD50:** Not evaluated as a mixture. Weighted average more than 100 grams per kilogram.

**Inhalation:** Not toxic by inhalation. Weighted Average more than 50 milligrams per Liter.

**Eye Irritation:** Direct contact can irritate eyes.

**Skin Irritation:** Prolonged or repeated contact can irritate skin.

**Sensitization:** None known.
CHRONIC EFFECTS

Carcinogenicity: None known.
Mutagenicity: None known.
Reproductive Effects: None known
Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: Not applicable
Persistence/Degradability: Biodegradable
Bioaccumulation/Accumulation: Not applicable
Mobility in Environment: Not applicable

Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State or Provincial, & Local regulations

Section 14. Transportation Information

US DOT (ground)
Proper Shipping Description: Not a Hazardous Material

CANADA TDG (ground)
Proper Shipping Description: Not a Dangerous Good

ICAO (air)
Proper Shipping Description: Not a Dangerous Good

IMDG (water)
Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories
TSCA: United States Included
DSL: Canada Included
ECL: Korea Not-Known
PICCS: Philippines Not-Known
ENCS: Japan Not-Known
AICS: Australia Included
IECS: China Not-Known
EINECS: European Union Included

SARA 313 Information: No Sara 313 chemicals present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act pf 1986 : (Proposition 65)
No Proposition 65 substances present at reportable levels

WHMIS: Canadian Workplace Hazardous Material Information System
B 3, D 2 B

Section 16. Other Information

Legends:
NFPA, HMIS:
0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard
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