Spartan Chemical Company, Inc.
Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION
Product Name or Number (as it appears on label): ISHINE
Product Number: 4055

Product Division: Janitorial

Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990
Medical Emergency: 1-(888)-314-6171 (24 hours)
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Buffing, polishing compounds, liquid, n.o.s.

NFPA Ratings:
Health: 1 - Slight
Fire: 0 - Minimal
Reactivity: 0 - Minimal

HMIS Ratings:
Health: *1 - Slight; Chronic Hazard
Fire: 0 - Minimal
Reactivity: 0 - Minimal

Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS
(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

<table>
<thead>
<tr>
<th>Chemical Name(s)</th>
<th>%Wt</th>
<th>CAS Registry No.</th>
<th>TWA mg/m³</th>
<th>STEL mg/m³</th>
<th>CEILING mg/m³</th>
<th>NTP, IARC or OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic polymer</td>
<td>15-20</td>
<td>Proprietary</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Styrene / Acrylic copolymer</td>
<td>1-5</td>
<td>1-5</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Tributoxyethyl phosphate</td>
<td>1-5</td>
<td>78-51-3</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>1-5</td>
<td>34590-94-8</td>
<td>600 [skin]</td>
<td>909 (ACGIH)</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>*Diethylene glycol monoethyl ether</td>
<td>1-5</td>
<td>111-90-0</td>
<td>140 (AIHA)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Comment: * This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA
Boiling Point: 212 °F
Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown
Solubility in Water: Complete
pH: 8.0-9.0
Specific Gravity (H₂O=1): 1.037
Evaporation Rate (but.acet.=1): <1
Percent Solid by Weight: 25-35
Physical State: Liquid
Appearance & Odor: Translucent emulsion, ammoniacal odor

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA
Flash Point: > 210 °F
Method Used: ASTM-D56
Flammable Limits: N/A
Extinguishing Media: N/A
Flame Extension: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire & Explosive Hazards: N/A
SECTION V: HEALTH HAZARD DATA

Threshold Limit Value: Not Established
Primary Routes of Entry: Inhalation, Skin Contact, Eyes

Effects of Overexposure:
- Causes mild eye irritation: Symptoms may include pain, redness, swelling and tearing.
- May cause skin irritation: Symptoms may include redness, pain and swelling.
- Harmful if swallowed: Symptoms may include nausea, vomiting, pain and diarrhea.
- Inhalation of vapors may cause respiratory irritation, headache and nausea.

Contains diethylene glycol monoethyl ether which may cause central nervous system depression, liver and kidney impairment.
Contains tributoxyethyl phosphate which may cause nervous system effects such as ataxia, breathing abnormalities and tremors with prolonged or repeated contact.

Avoid contact with eyes and skin. Avoid breathing product vapors or mist. Use adequate ventilation.
Do not taste or swallow. Wash thoroughly after handling.

Conditions Aggravated by Use:
Use of this product may aggravate preexisting skin, eye and respiratory disorders including asthma and dermatitis.

Emergency & First Aid Procedures:
- Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.
- Skin: Remove contaminated clothing. Flush skin thoroughly with plenty of water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
- Ingestion: Do not induce vomiting unless told to do so by medical personnel. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.
- Inhalation: Move person to fresh air. If irritation persists get medical attention.

SECTION VI: REACTIVITY DATA

Stability: Stable
Incompatible Materials: None known
Hazardous Decomposition Products: None known
Hazardous Polymerization: Will Not Occur

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
Small spills may be flushed with water to sanitary sewer system. Dike and contain large spill with inert material and transfer liquid to containers for recovery or disposal. Follow all federal, state and local regulations. Do not discharge into streams, lakes or other surface waters.

Waste Disposal Method: Incineration or approved landfill.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not usually required when good general ventilation is provided. However if exposure levels are exceeded (see Section II) or if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the conditions of use and chemicals listed in Section II should be considered.

Ventilation: Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.

Protective Gloves(Specify Type): Rubber or other impervious gloves are recommended.

Eye Protection(Specify Type): Splash goggles are recommended to prevent eye contact.


SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing: Keep from freezing.

Other Precautions: Keep out of reach of children.

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ISHINE Effective Date: 09/22/2008 Supercedes: 06/30/2005

Ref: 29 CFR 1910.1200 (OSHA)
Changes: Update Section V

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