FLOOR FINISH ENHANCER

An environmentally preferable, high dilution, floor maintenance solution. Can be used in multiple-methods to maintain or restore damaged and dulled acrylic-based floor coatings to a deep vibrant gloss.

Non-Toxic • Non-Flammable • Solvent Free
Biodegradable • Meets Federal & State VOC Requirements
WAXIE-Green Floor Finish Enhancer

ENVIRONMENTAL & SAFETY BENEFITS
- Phosphate Free
- Readily Biodegradable*
- Contains No Hazardous Ingredients**
  - No Petroleum Distillates
  - No Halogenated Aromatic Solvents
  - No Alkalies
- No Glycol Ethers
- No Alkalies
- No Acids
- Non-Corrosive
- No Dibutyl Phthalate Plasticizers
- VOC Compliant
- APE Free
- No Added Fragrances

*As defined in 40CFR796.3200 EPA/TSCA
**As defined in OSHA 29CFR 1910.1200

TYPICAL PROPERTIES
Color: Colorless
Odor: Mild
Clarity: Clear
Sediment: None
pH: N/A
Weight (#/Gal): 8.46

HEALTH AND HAZARD RATINGS
Category | NFPA | HMIS
---------|------|------
Health   | 1    | 1    
Fire     | 0    | 0    
Reactivity | 0    | 0    
Protective Equipment | None | B

When used with WAXIE-Green Floor Finish, WAXIE-Green Floor Finish Enhancer maintains requirements for a slip resistant covering, as determined by ASTM D2047

DILUTION RATIOS
Buffing, Mop & Bucket
4-6 oz. per gallon of water

Buffing, Autoscrubber
2-3 oz. per gallon of water

Burnishing
2-3 oz. per gallon of water

Dilute with water from the cold tap.

ITEM DESCRIPTION
930211 gl/cs 4/cs

PRODUCT PERFORMANCE CHARACTERISTICS
WAXIE-Green Floor Finish Enhancer is an environmentally preferable, high dilution, floor maintenance solution. Can be used in multiple-methods to maintain or restore damaged and dulled acrylic-based floor coatings to a deep vibrant gloss. Does not rely on polymer or waxes to restore finish.

WAXIE-Green Floor Finish Enhancer contains no phosphates, glycol ethers, alkalies, acids, Dibutyl Phthalate plasticizers or APE/APEO (alkyl phenol ethoxylates) surfactants.

PRODUCT PACKAGING
- Plastic containers are 100% recyclable HDPE
- Corrugated boxes are 100% recycled with 60% post consumer
WAXIE-GREEN FLOOR CARE SPECIFICATIONS

Product Specification: WAXIE-GREEN FLOOR FINISH ENHANCER

1. A floor finish enhancer that does not rely on polymer or waxes to restore finish. Enhancer may be applied for buffing and burnishing

2. Product must be third party certified by Terra Choice (Ecologo) and/or Green Seal.

3. Health Ratings – 1 for NFPA, 1 for HMIS

4. When used with Green Floor Finish, Enhancer meets ASTM D2047 requirement for slip resistance

5. VOC Compliant

6. Diluted 2 oz per gallon

7. Does not contain or incorporate the following ingredients:
   a. Phosphates
   b. Glycol ethers
   c. Alkalies
   d. Acids
   e. Dibutyl Phthalate plasticizers
   f. APE/APEO (alkyl phenol ethoxylates) surfactants
   g. NPE (nonyl phenol ethoxylates)
   h. Ethylene glycol-based coalescents

8. Effective for spray buffing and high speed burnishing
### Waxie Health & Safety Data Specifications

#### Product Comparison

<table>
<thead>
<tr>
<th>CONVENTIONAL PRODUCTS</th>
<th>Waxie Green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal containing polymers (zinc)</td>
<td>NO zinc compounds</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>NONE</td>
</tr>
<tr>
<td>Formaldehyde preservative</td>
<td>NONE</td>
</tr>
<tr>
<td>LD 50 &lt;1 gm/Kgm</td>
<td>LD 50 &gt;5 gm/Kgm</td>
</tr>
<tr>
<td>High VOC’s</td>
<td>Low VOC’s</td>
</tr>
<tr>
<td>Toxic to Aquatic Life</td>
<td>Non-Toxic to Aquatic Life</td>
</tr>
<tr>
<td>Corrosive to eyes &amp; skin</td>
<td>Non-corrosive</td>
</tr>
</tbody>
</table>

**CONVENTIONAL COMPOUND DESCRIPTIONS:**

*Metal cross-linked acrylic copolymer* is a basic building block of floor finishes. It is not biodegradable and amounts of heavy metals, usually in the range of 1% - 2% by weight, cause problems with sewage effluent and are toxic to both humans and aquatic species.

*Mineral Spirits* are used to remove oily soils and also to thin solvent coatings. However, mineral spirits are derived from petroleum and are not biodegradable. Also, they are combustible and must be disposed of as a hazardous waste. Their use may be restricted due to VOC content.

*Ammonium hydroxide* is a basic cleaning compound commonly used in floor finish restorers, in some cases a significantly large component in the finished product. However, it is extremely irritating to the respiratory tract and eyes. Also, it reacts violently with strong mineral acids.

*Formaldehyde* is commonly used as a preservative in coatings and some detergents. However, it is also a suspect carcinogen.

*Moderately high pH* - skin and eye irritant

*Lethal Dose is less than 1 gm of product per 1 Kg of body weight*

**Waxie Green Compound Descriptions:**

*Metal-free copolymer*

*No Ammonia*

*Non-reactive*

*Lethal Dose is more than 5 gm of product per 1 Kg of body weight*
1. CHEMICAL PRODUCT

PRODUCT NAME: WAXIE GREEN FLOOR FINISH ENHANCER
PRODUCT CODE: 930211

NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1</td>
<td>0/0</td>
</tr>
</tbody>
</table>

Reactivity: 0/0

Special/Protective Equipment: None/B

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Low toxicity in small quantities.
SKIN CONTACT: No irritation or absorption expected.
INHALATION: Inhalation of spray mist may be irritating.
EYE CONTACT: May cause mild eye irritation.
CHRONIC EFFECTS: None expected in normal use.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>20 - 30</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION: Rinse mouth with water many times. Never give anything by mouth to an unconscious person. Contact physician if irritation persists.
SKIN: Flush skin with large amounts of water. If irritation persists, get medical attention.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTES TO PHYSICIAN: No specific antidote. Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None to boiling (C): NE
METHOD: TCC

FLAMMABLE LIMITS IN AIR

<table>
<thead>
<tr>
<th>- LOWER (%)</th>
<th>- UPPER (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.6%</td>
<td>12.5%</td>
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</tbody>
</table>

SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA: Alcohol foam. Carbon Dioxide, Dry Chemicals, Foam. Do not use a direct stream of water; product will float and can be reignited on surface of water.

FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Pick up with absorbant material.
LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

PERSONAL PRECAUTIONS: NA
ENVIRONMENTAL PRECAUTIONS: Do not contaminate water.
METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Handle with care. Store in a dry location away from heat and direct sunlight. Wash thoroughly after handling. Keep container closed when not in use.
OTHER PRECAUTIONS: Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied.
SPECIFIC USE(S): NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:

EXPOSURE CONTROLS: Use in a well ventilated area.
RESPIRATORY PROTECTION: Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.
PROTECTIVE GLOVES: Chemical resistant gloves.
OTHER PERSONAL PROTECTION EQUIPMENT: None known.
VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F): NA (C) NA
SOLUBILITY IN WATER: NA
SPECIFIC GRAVITY: 0.995 - 1.035
VOC Content (%): 20 - 23 (EPA Method 24)
VOV Content (%): NE
PH: NA

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Carbon Monoxide. Toxic fumes.
10. STABILITY AND REACTIVITY

INCOMPATIBILITY (MATERIALS TO AVOID):
Avoid contact with acidic, basic or oxidizing agents.

CONDITIONS/HAZARDS TO AVOID:
Extreme heat, direct sunlight. High temperatures may cause decomposition.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>%</th>
<th>TSCA:</th>
<th>EINECS:</th>
<th>Canada DSL:</th>
<th>CA PROP 65:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>20 - 30</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not Listed</td>
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</tbody>
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<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>%</th>
<th>CERCLA:</th>
<th>SARA 302:</th>
<th>SARA 313:</th>
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</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>20 - 30</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>%</th>
<th>Canada WHMIS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>20 - 30</td>
<td>Listed</td>
</tr>
</tbody>
</table>

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.
None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels. The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>%</th>
<th>PARTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>20 - 30</td>
<td>Listed</td>
</tr>
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</table>
16. OTHER INFORMATION
This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***