FLOOR STRIPPER

An environmentally preferable floor finish remover that does not contain hazardous or corrosive materials

• No MEA, 2-BE (Butyl), APE, Caustic, EDTA, Ammonia
• Phosphate Free • Non-Corrosive • VOC Compliant
WAXIE-Green Floor Stripper

ENVIRONMENTAL & SAFETY BENEFITS
- No MEA, 2-BE, APE, Caustic, EDTA, Ammonia
- Phosphate Free
- Readily Biodegradable*
- Contains No Hazardous Ingredients**
  - No Petroleum Distillates
  - No Halogenated Aromatic Solvents
  - No Alkalies
- Non-Corrosive
- VOC Compliant
  - Meets CARB VOC Limits
- Fragrance Free
*As defined in 40CFR796.3200 EPA/TSCA
**As defined in OSHA 29CFR 1910.1200

TYPICAL PROPERTIES
- pH 10.9
- Weight/Gal. 8.24#
- Foam (1gr/g; tap water; waring) Very Low
- Color Light Yellow
- Odor Mild
- Clarity Clear
- Sediment None
- VOC @ 1:3 Dilution (EPA Method 24) 6.5%

HEALTH AND HAZARD RATINGS
- Category NFPA HMIS
  - Health 1 1
  - Fire 2 2
  - Reactivity 0 0
  - Protective Equipment None B

DILUTION RATIOS
- LIGHT BUILD-UP: 1:8 (16 oz. per gallon of water)
- HEAVY BUILD-UP: 1:3 (42 oz. per gallon of water)
Dilute with water from the cold tap.

ITEM DESCRIPTION
- 320660 gl/cs 4/cs

PRODUCT PERFORMANCE CHARACTERISTICS
WAXIE-Green Floor Stripper is specifically designed to remove WAXIE-Green Floor Finish, but removes most conventional metal crosslinked floor finishes, too. This fast acting and pleasant to use stripper removes multiple layers of finish without harsh alkalies and other conventional components. Does not contain hazardous or corrosive materials.

PRODUCT PACKAGING
- Plastic containers are 100% recyclable HDPE
- Corrugated boxes are 100% recycled with 60% post consumer

Corporate Headquarters
9353 Waxie Way
San Diego, CA 92123

WAXIE-Sanitary Supply
offers WAXIE-Green products as a solution for customers committed to sustainable cleaning. WAXIE-Green products often include third-party certifications to substantiate environmentally preferable claims. WAXIE Sanitary Supply offers these resources to reduce environmental impacts and to promote safer and healthier work environments.

EcoLogo is North America’s most widely recognized and respected certification of environmental leadership. By setting standards and certifying products in more than 120 categories, EcoLogo helps you identify, trust, buy, and sell environmentally preferable ("green") goods and services.
WAXIE-GREEN FLOOR CARE SPECIFICATIONS

Product Specification: WAXIE-GREEN FLOOR FINISH STRIPPER

1. Green Floor Finish Stripper is an environmentally preferable floor finish remover that does not contain hazardous or corrosive materials.

2. Green Floor Finish stripper must be able to remove conventional metal cross-linked floor finishes.

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


5. Health & Hazard rating of 1 for NFPA and 1 for HMIS.

6. pH of 10.90.

7. Low foaming.

8. Product must not contain the following ingredients:
   a. Free ammonia, monoethanolamine (MEA)
   b. Caustics or free alkalies
   c. Ethylene series glycol ethers, like 2-BE (ethylene glycol butyl ether)
   d. EDTA
   e. Phosphate or any phosphorous-based builders

9. Product demonstrates a low aquatic and terrestrial toxicity.

10. Product is readily biodegradable.
CONVENTIONAL PRODUCTS

Caustic
Ammonium hydroxide
Butyl cellosolve
Nonylphenol
pH 12 - 14
LD 50 <1 gm/Kgm
Toxic to Aquatic Life Petro-Chemical Derivates

CONVENTIONAL COMPOUND DESCRIPTIONS:

Caustic Soda/ Caustic Potash provides a heavy duty source of alkalinity for saponification (alkali reacts with fats to form soluble soap). It also helps disperse solid soils into fine particles. However, it is extremely corrosive to eyes, skin and nose.

Ammonium hydroxide is a basic cleaning compound commonly used in economy strippers. However, it is extremely irritating to the respiratory tract and eyes. Also, it reacts violently with strong mineral acids.

Ethylene glycol butyl ether attacks water soluble dirt as well as water-insoluble oils and greases. But, it is a potential nose and eye irritant and may cause red blood cell damage if absorbed through the skin.

Nonylphenoxypolyethoxyethanol is used as a basic surfactant to provide detergency needed to remove soil from a variety of surfaces. However it is derived from a petroleum based product and may contain trace amounts of ethylene oxide, a suspect carcinogen.

Very high pH - Corrosive to skin and eyes, lethal dose is less than 1 gm of product per 1 Kg of body weight.

WAXIE GREEN

NONE
NONE
NONE
NONE
pH 10.8
LD 50 >5 gm/Kgm
Non-Toxic to Aquatic Life Renewable Resources

WAXIE GREEN COMPOUND DESCRIPTIONS:

NO Caustics
Waxie Green Floor Stripper is also completely biodegradable and contains no phosphate which can pollute our waterways.

NO Ammonia
Waxie Green Floor Stripper is non-corrosive to the skin and eyes and is non-toxic.

NO Glycol Ethers
No concerns about systemic health problems or interference with liver functionality.

NO NPE/APE Surfactants
NPE’s are shown to cause endocrine disruption in aquatic species and suspected of doing so in humans.

“Cosmetic Range” pH
Lethal Dose is more than 5 gms of product per 1 Kg of body weight.
MATERIAL SAFETY DATA SHEET

REVISION DATE: 06/27/2008
DATE PRINTED: 06/27/2008
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: WAXIE GREEN FLOOR STRIPPER
PRODUCT CODE: 320660

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

Health: 1/1 Fire: 2/2
Reactivity: 0/0 Special/Protective Equipment: None/B

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Low toxicity in small quantities. Large amounts may cause irritation, nausea, diarrhea.

SKIN CONTACT: Repeated or prolonged contact may irritate moderately.

INHALATION: Inhalation of spray mist may be irritating. Breathing small amounts during handling is not likely to cause harmful effects.

EYE CONTACT: May cause severe eye irritation. May cause corneal injury.

CHRONIC EFFECTS: None known.

EFFECTS/CARCINOGENICITY: None listed under EPA, IARC, and ACGIH.

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>
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<tbody>
<tr>
<td>2-AMINO-2-METHYLPROpanol 124-68-5</td>
<td>1 - 5</td>
<td>NA</td>
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<tr>
<td>Potassium citrate 866-84-2</td>
<td>1 - 5</td>
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4. FIRST AID MEASURES

INGESTION: If swallowed, do NOT induce vomiting. Give victim two glasses of water, Call a physician immediately. Never give anything by mouth to an unconscious person.

SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

INHALATION: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

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): 176°F (C): NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR
- LOWER (%): None
WAXIE GREEN FLOOR STRIPPER

- UPPER (%): None

SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical. 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: Absorb with a non-reactive clay.
LARGE SPILLS: Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.

PERSONAL PRECAUTIONS: NA
ENVIRONMENTAL PRECAUTIONS: NA
METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with skin and eyes. Use only with adequate ventilation. Wash thoroughly after handling. Do not store near heat, sparks or flame. DO NOT pressurize, weld, or heat containers.
OTHER PRECAUTIONS: Keep out of reach of children.
SPECIFIC USE(S): NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: 

EXPOSURE CONTROLS: Use in a well ventilated area.
RESPIRATORY PROTECTION: None normally required.
PROTECTIVE GLOVES: Rubber gloves.
EYE PROTECTION: Safety Glasses.
OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact.
VENTILATION: Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212°F (C) NA
VAPOR PRESSURE: 15.7 mm Hg @ 22.2°C
VAPOR DENSITY (AIR=1): NA
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 0.981 - 0.997
VOC Content (%): 25.45 - 26.45 (EPA Method 24 - ARB 310 exempt solvents)
VOV Content (%): NE
EVAPORATION RATE: (BuAc=1): 1.26
PH: 10.25 - 10.90

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
10. STABILITY AND REACTIVITY

POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Does not decompose under normal conditions of use. When heated to high temperatures, the following may be produced: Aldehydes. Organic vapors.
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials.
CONDITIONS/HAZARDS TO AVOID: 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 CAS#</th>
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The following components of this material are included in the Massachusetts Substance List and 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.

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**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 ***