

SAFETY DATA SHEET

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| THORO STRIP | SDS Number : ST-247 | Revision Date: 09/28/2018 |
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1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: THORO STRIP
 Product Code: ST-247
 Product Use: Institutional Floor Polish Remover
 Synonyms: Floor Polish Stripper
 Chemical Formula: Mixture of substances listed below with nonhazardous additions
 Restrictions: Institutional, Commercial, Retail and Industrial Floor Care Use Only




Manufacturer: Surtec, Inc.
 1880 N. MacArthur Dr
 Tracy, CA 95376
 209.820.3700
 Toll Free 800.877.6330

Emergency contact: Chemtrec 800.424.9300
 CCN No. 21541

2. HAZARD IDENTIFICATION:

GHS CLASSIFICATION:

| <u>HEALTH</u> | <u>ENVIRONMENTAL</u> | <u>PHYSICAL</u> |
|--|---|---|
| <p><i>Acute toxicity: Category 4 (Oral)</i> <i>Acute toxicity: Category 4 (Dermal)</i> <i>Acute toxicity: Category 3 (Inhalation)</i> <i>Skin Corrosion/Irritation: Category 1B</i> <i>Serious Eye Damage/Eye Irritation: Category 1</i> <i>Specific target organ toxicity – Single Exposure: (Central Nervous System): Category 3</i></p> | <p><i>Acute Toxicity: None Known</i> <i>Chronic Toxicity: None Known</i></p> | <p><i>Corrosive to Metals: Category 1</i></p> |
|  | <p><u>Signal Word:</u> Danger</p> | |
| <p><u>Hazard Statements</u> Causes severe skin and eye damage Toxic if inhaled Harmful if swallowed May cause dizziness or drowsiness. May be corrosive to metals</p> | | |
| <p><u>Precautionary Statements</u> Wear protective gloves/protective clothing/eye protection/face protection Do not breathe mists, vapors or spray.</p> <p>IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or Physician. IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Immediately call a Poison Center or Physician. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or Physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a Poison Center or Physician.</p> | | |

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Store in a closed, original container in a well ventilated area.
Dispose of contents/container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

| INGREDIENT | CAS NO. | PERCENT | HAZARDOUS |
|---------------------------------------|-------------|---------|-----------|
| 2-BUTOXYETHANOL (111-76-2) | 111-76-2 | 28-32% | YES |
| 2-AMINOETHANOL | 141-43-5 | 14-17% | YES |
| POTASSIUM HYDROXIDE | 1310-58-3 | 3-5% | YES |
| NONYLPHENOL POLYETHYLENE GLYCOL ETHER | 127087-87-0 | 1-2% | YES |

Exact Percentages are being withheld as trade secret information.

4. FIRST-AID MEASURES:

Eye Contact: Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or Physician.

Skin Contact: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Immediately call a Poison Center or Physician. Wash contaminated clothing before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or Physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a Poison Center or Physician.
Store in a closed, original container in a well ventilated area.

5. FIRE-FIGHTING MEASURES:

Fire Extinguishing media: Use dry chemical, carbon dioxide or water spray. For larger fires use regular foam, dry chemical, carbon dioxide or water spray. Move containers away from fire area if it can be done without risk. From a safe distance and keeping upwind, apply flooding amounts of water to sides of container exposed to fire for cooling purposes until well after the fire is extinguished. Stay away from tanks engulfed in flames. (2008 Emergency Response Guidebook Guide #154)

Hazards during fire-fighting:

Containers may rupture when exposed to extreme heat.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use recommended personal protective clothing and equipment. To prevent slipping, do not walk through spilled material.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area. Material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

- For small amounts of released material: Mop or vacuum up then transfer to suitable container for disposal. - For large amounts of released material: Dike around spilled material to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers for disposal.

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7. HANDLING and STORAGE:

Handling:

General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice - Protect against physical damage. Store in tightly closed containers in a cool, well ventilated area. Do not allow product to freeze.

Shelf Life:

12 months minimum

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors/mist for published exposure limits.

Personal protective equipment (HMIS rating 'H'):

Eye protection: Wear splash-proof safety goggles to prevent exposure.

Skin protection: Chemical-resistant gloves and chemical-resistant, high traction footwear. Wear appropriate protective (impervious) clothing equipment to prevent possible skin contact.

Respiratory protection: Use proper NIOSH-OSHA respirator for contamination levels found in work area or if ventilation is inadequate.

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure.

If contact occurs, wash any body part with soap and water immediately. Wash hands after use, an before eating, drinking or smoking.

Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

ACGIH TLV: 20 ppm (111-76-2), 3 ppm (141-43-5) and 2 mg/m³ (1310-58-3)

STEL: 6 ppm (141-43-5)

OSHA PEL: 50 ppm- Skin (111-76-2), 3 ppm (141-43-5) and 2 mg/m³ (1310-58-3)

9. PHYSICAL and CHEMICAL PROPERTIES:

| | | | |
|-----------------------------|--|----------------------------------|--------------------------|
| Appearance: | Clear colorless Liquid | Flash Point: | > 200°F |
| Odor: | Citrus | Upper/Lower Flammability Limits: | No information available |
| pH value: | 14.0 (Concentrate) | Relative Density (water): | 1.00 |
| | | Auto-Ignition Temperature: | No information available |
| | | Decomposition temperature: | No information available |
| Specific gravity: | 1.00 (H ₂ O = 1) | Partition Coefficient | No information available |
| Solidification temperature: | No information available | Odor Threshold | No information available |
| Freezing/Melting point: | 32 °F (0 °C) | Viscosity: | < 10 cps. |
| Boiling point: | 212°F (100 °C) | Partition Coefficient | No information available |
| Vapor density: | No information available | Solubility in water: | 100% |
| Vapor pressure: | No information available | | |
| Evaporation Rate: | No information available | | |
| Regulatory VOC: | 45.1% by weight (concentrate) 6.4 % by weight (at routine use concentration – 1:6 dilution) | | |

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10. STABILITY and REACTIVITY:

Conditions to avoid:

Excessive heat or flame.

Substances to avoid:

Strong acids, oxidizers (e.g., bleach).

Hazardous reactions:

Product is chemically stable. Reaction with strong acids may generate high heat.

Decomposition or By-products:

In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂) nitric oxides (NO_x) and ammonia.

Corrosion to metals: Minimize contact with aluminum, copper and copper alloys.

11. TOXICOLOGY INFORMATION:

Acute Toxicity (Symptoms):

Ingestion: Burns of the mouth, throat, esophagus and stomach. Pain, nausea, vomiting and diarrhea.

Eye Contact: Can cause serious eye damage. Severe irritation, conjunctivitis, redness. Contact may cause permanent eye damage.

Skin Contact: Can cause severe skin damage. Irritation, inflammation, ulceration, necrosis and possible chemical burns.

Inhalation: Toxic if inhaled. May cause respiratory irritation including nasal and throat discomfort.

Target Organ Effects - Single Exposure: (Central Nervous System): May cause dizziness or drowsiness.

Numerical Measures of Toxicity:

Calculated Acute Toxicity Estimates (ATE) based on available information.

ATEmix (oral): 804 mg/kg

ATEmix (dermal): 1212 mg/kg

ATEmix (inhalation): 6.6 mg/l

Chronic Toxicity:

Other information: No components present at 0.1% or greater are considered carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Expected to be biodegradable.

Environmental toxicity:

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance: Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal: Dispose of in a licensed facility in accordance with local regulations.

RCRA:

Unspecified.

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14. TRANSPORTATION INFORMATION:

DOT:

UN/ID No: 1760

Proper Shipping Name: CORROSIVE LIQUID, N.O.S., (CONTAINS ETHANOLAMINE, POTASSIUM HYDROXIDE)

Hazard Class: 8

Packing Group: III

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US: All components are listed or exempt.

SARA hazard category (EPCRA 311/312): Acute health hazard

SARA TITLE III, SECTION 313:

CAS Number: Chemical Name:

111-76-2 2-Butoxyethanol

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: Chemical Name:

None

16. OTHER INFORMATION:

NFPA Rating:

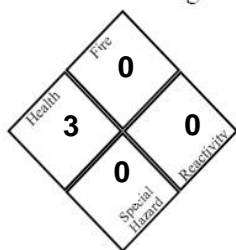
Health: 3 Fire: 0 Reactivity: 0 Special Hazard: none

HMIS III Rating:

Health: 3 Flammability: 0 Physical Hazard: 0
Personal Protection: H (safety glasses with side shields and chemical-resistant gloves)

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

NFPA Rating



HMIS Rating

| | |
|---------------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | H |

Prepared by: Surtec, Inc. 09/28/18 **Revision No.:** 07

Contact Information:

Surtec, Inc.

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Notice: The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

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Warranty: This is a proprietary SURTEC product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact SURTEC with any questions regarding this policy.