



# TORNADO

## pH NEUTRAL FLOOR STRIPPER

SEPARADOR NEUTRAL DEL PISO DEL PH

### Technical Data

#### Environment, Health & Safety

- Biodegradable
- Low Toxicity
- No Phosphates
- No Ozone Depleting Compounds
- No Known Carcinogens
- No Chlorine Bleach
- No Butoxyethanol
- No Petroleum Distillates
- Low VOC Level
- Recyclable Container

#### Specifications

SSS Item Numbers .....	48111
Available Sizes .....	2.5G
Color .....	White
Fragrance .....	Characteristic odor
pH .....	8.5 – 9.0
Viscosity .....	Water thin
Foam .....	Low
Emulsification .....	Excellent
Biodegradability .....	Complete
Solubility .....	Complete with water
Flash Point .....	None
Storage/Stability .....	2 years
Weight Per Gallon .....	8.90 lbs./gal.
Freeze/Thaw Stability .....	Keep from freezing

#### HMS Hazardous Materials I.D. System

Health .....	2
Flammability .....	1
Reactivity .....	0
Personal Protection .....	B

#### What the Pros Know

When stripping a floor, it is recommended to flood the floor using 1 gallon of diluted stripper for 100 square feet of flooring.

(1) Five gallon mop bucket of ready-to-use stripper should be used to strip 500 square feet of flooring.

#### Description

An environmentally friendly low-odor neutral pH stripper perfect for use in places where a high pH stripper cannot be used. Contains no ammonia, butyl, caustic or other harsh materials. This product is safe for the user and the environment, and contains no VOC levels that exceed established regulatory limits. Ideal for use on synthetic flooring such as rubber, linoleum or anywhere a high pH stripper will damage the substrate.

#### Directions

Wear safety equipment recommended on MSDS, place Wet Floor Signs and read all directions and cautions prior to beginning your work.



1. Sweep or dust mop the floor to remove any debris.
2. Dilute 1:2 to 1:6 with cold water depending on age and build-up of finish.
3. Apply liberally with a mop to an area small enough so as not to allow the product to dry. Be sure to completely cover floor to baseboards.
4. After 3 to 5 minutes, agitate the wet section with a scrubbing machine and stripping pad. Pick up solution using a mop, wet vac or automatic scrubber.
5. Rinse thoroughly with clear water to remove residue as necessary.

**NOTE:** Do not use this product on wood floors or painted surfaces.



*Low Odor*

*Contains No Ammonia, No Butyl*

*Safe for User and Environment*



Certified  
Hard Floor Care  
Product CCD-147



**MATERIAL SAFETY DATA SHEET**

N/A= Not Applicable

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

Effective Date: 1/09 Revision: N/A

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

**Product Name:** Tornado  
**Generic Name:** pH Neutral Floor Stripper  
**Chemical Family:** Solvent Detergent Blend  
**Formula:** Proprietary  
**Triple S Product Number:** 48111

**Manufactured For:** Triple S  
**Address:** 2 Executive Park Drive Billerica, MA 01862  
**Phone #:** 800-323-2251

**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Ethylene Glycol Phenyl Ether	122-99-6	5 to 10			
Monoethanolamine	141-43-5	5 to 10			
Ethoxylated Alcohol Surfactant	68439-46-3	0 to 5			
Propylene Glycol n-Butyl Ether	5131-66-8	0 to 5			
Dye	N/A	< 0.1			

**SECTION 3-PHYSICAL DATA**

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

**Boiling Point (°F):** 212 F.  
**Vapor Pressure:** 20mm Hg @ 68 F.  
**% Volatile:** 90+  
**Solubility in Water:** Dispersible  
**Physical Description:** Thin pale green liquid with mild characteristic odor.  
**VOC Content:** 10.4% wt/wt, 0.93 lbs/gal

**Specific Gravity:** 1.067  
**Vapor Density (Air=1):** <1.5  
**pH:** 8.5 – 9.0  
**Evaporation Rate (Water=1):** <1

**Flash Point (Method Used):** > 140°F (TCC)  
**Upper Explosion Limit:** N/A  
**Lower Explosion Limit:** N/A  
**Extinguishing Media:** Water, CO<sub>2</sub>, Dry Chemical, Foam  
**Special Firefighting Procedures:** N/A  
**Unusual Fire and Explosion Hazards:** N/A

**SECTION 5-REACTIVITY DATA**

**Stability:** Stable

**Hazards Decomposition Products:** Alkaline vapors in a fire.

**Hazardous Polymerization:** None

**Incompatibility (Materials to Avoid):** Strong acids.

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Eye and Skin irritant. Avoid contact with eyes, skin and clothing. Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floors. Keep container closed during storage. For institutional and industrial use only. Wear protective eyewear and gloves. Avoid breathing of vapors. Use in well-ventilated area.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Effects of Overexposure:**

**Skin:** Skin irritant. May cause moderate reddening, swelling.  
**Eyes:** Eye irritant. Liquid and mists may damage eyes, causing corneal damage.  
**Inhalation:** Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.  
**Ingestion:** Irritating to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea.

**First Aid Procedures:**

**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.  
**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

**Respiratory Protection:** Use in well-ventilated area. NIOSH Approved Organic vapor respirator when using in confined or poorly ventilated areas.

**Ventilation Requirements:** General ventilation is adequate.

**Protective Gloves:** Chemical resistant rubber or neoprene.

**Eye Protection:** Chemical splash goggles.

**Other Protective Equipment:** Eyewash should be available. Chemical resistant footwear e.g. rubber boots to protect feet. Long pants to protect legs.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.

**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before offering for recycling.

**SECTION 10-REGULATORY INFORMATION**

**SARA Title III - Section 311/312 -Hazard Categories:**

No - Fire Hazard  
 No - Sudden Release of Pressure Hazard  
 No - Reactivity Hazard  
 Yes - Immediate (acute) Health Hazard  
 No - Delayed (chronic) Health Hazard

**Shipping Information:**

FOR CONTAINERS > 1 Gallon : Cleaning Compound  
 FOR 1 GALLON CONTAINERS : Cleaning Compound  
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: ER# 888-779-1339**

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	Not Applicable	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product