

Section 1 - Identification

Product Name: TYPHOON Floor Stripper (55152)

Atlantic Solutions, Inc.
125 North Chatham Pkwy
Chapel Hill, NC 27517
919-933-4250

Emergency Phone: 800-535-5053

Product Use: Non-Ammoniated No Rinse Floor Stripper

Section 2 - Hazards Identification**GHS Ratings:**

Flammable liquid	4	Flash point $\geq 60^{\circ}\text{C}$ (140°F) and $\leq 93^{\circ}\text{C}$ (200°F)
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5

GHS Hazards

H227	Combustible liquid
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P235	Keep cool
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician if you feel unwell after exposure of this product
P321	Specific treatment (see First Aid below or label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P370+P378	In case of fire: Use Section 5 recommendations for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in conformance with State, Local, and Federal regulations.

Signal Word: Danger



Section 3 - Composition, Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
2-butoxyethanol	111-76-2	10.00% - 20.00%
2-Amino-ethanol	141-43-5	1.00% - 5.00%

Section 4 - First Aid Measures

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

EYE CONTACT: Immediately flush eyes with water and continue washing for at least 15 minutes. DO NOT remove contact lenses, if worn. Obtain medical attention without delay, preferably from an ophthalmologist.

SKIN CONTACT: Immediately remove contaminated clothing and shoes. Wash skin with soap and water. Obtain medical attention. Wash clothing before reuse. Discard contaminated leather articles such as shoes and belt.

SWALLOWING: If patient is fully conscious, give two glasses of milk or water at once. DO NOT INDUCE VOMITING. Obtain medical attention without delay.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

The hazards of this material are due mainly to its severely irritant properties on skin and mucosal surfaces. Due to the irritant nature of the material, the stomach should be evacuated carefully in cases of poisoning by swallowing.

Section 5 - Fire Fighting Measures

Flash Point: 67 C (153 F)

LEL: 1.00

UEL: 11.00

EXTINGUISHING MEDIA: Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: During fire, oxides of nitrogen may be evolved.

HAZARDOUS COMBUSTION PRODUCTS: Burning can produce the following products: Oxides of carbon and nitrogen. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

FIRE FIGHTING PROCEDURES: Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Use self-contained breathing apparatus, eye protection, and protective clothing.

Section 6 - Accidental Release Measures

Steps to be Taken if Material is Released or Spilled: Contain spilled material if possible. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

Personal Precautions: Evacuate area. Refer to Section 7, Handling for additional precautionary measures. Keep upwind of spill. Ventilate area of leak or spill. Only trained and properly protected personnel must be involved in clean-up operations.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See

Section 7 - Handling & Storage

General Handling: Do not get in eyes, on skin, on clothing. Avoid breathing vapor.

Do not swallow. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Do not use sodium nitrite or other nitrosating agents in formulations containing Suspected cancer-causing nitrosamines could be formed. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Ventilation: Provide general and/or local exhaust ventilation to control airborne levels guidelines.

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-butoxyethanol 111-76-2	OSHA Z-1 TWA:240 mg/m3 OSHA Z-1 TWA Absorbed via Skin	TWA 20ppm PE: 50 ppm	Not Established
2-Amino-ethanol 141-43-5	TWA:3ppm STEL:6ppm	TWA: 3ppm STEL: 6ppm	Not Established

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator. For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply.

Ventilation: Provide general and/or local exhaust levels below the exposure guidelines.

Eye Protection: Monogoggles.

Protective Gloves: Polyvinyl chloride coated Rubber.

Other Protective Equipment: Eyebath, safety shower, and chemical apron.

Section 9 - Physical & Chemical Properties

<p>Boiling Range 170 to 171 °C</p> <p>Color Orange</p> <p>pH 11.5 - 12.5</p> <p>Odor Characteristic</p> <p>Freezing Point 30F</p> <p>Flash Point N/A</p> <p>Vapor Pressure N/A</p> <p>Viscosity <=10</p> <p>Upper/lower flammability N/A</p> <p>Auto-ignition temperature N/A</p>	<p>Appearance Clear Liquid</p> <p>Odor Characteristic</p> <p>Specific Gravity 0.997</p> <p>Odor Threshold N/A</p> <p>Boiling Range 212F</p> <p>Evaporation Rate N/A</p> <p>Solubility in Water Complete</p> <p>Flammability N/A</p> <p>Partition coefficient: n- octanol/water N/A</p> <p>Decomposition temperature N/A</p>
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Section 10 - Stability & Reactivity

STABLE

Incompatible Materials: Strong oxidizing agents. Strong bases. Strong acids. Aldehydes. Ketones.

Acrylates. Organic anhydrides. Organic halides. Formates. Lactones. Oxalates.

Strong Oxidizing agents, Strong Acids

HAZARDOUS POLYMERIZATION Will not occur.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes . Ketones.

Organic acids.

Hazardous polymerization will occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

111-76-2	2-butoxyethanol Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rat)
141-43-5	2-Amino-ethanol Oral LD50: 1,089 mg/kg (RAT) Dermal LD50: 2,693 mg/kg (RABBIT)

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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Section 12 - Ecological Information

Component Ecotoxicity

2-Amino-ethanol	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 227 mg/l - 96 h
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Section 13 - Disposal Considerations

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Section 14 - Transportation Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Compound, Cleaning, Liquid, (Not Regulated)			

Section 15 - Regulatory Information

- None

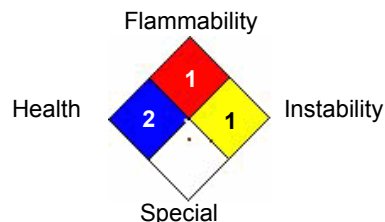
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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