

1. Product and Company Identification

Product Code:	TRTS1001	
Product Name:	Trusty Step 1001	
Company Name:	Trusty Step International	Phone Number:
	271 Western Ave.	1 (781)598-1400
	Lynn, MA 01904	
Emergency Contact:	Chemtrec	1 (800)424-9300

2. Hazards Identification

Skin Corrosion/Irritation, Category 2
Aquatic Toxicity (Acute), Category 2
Serious Eye Damage/Eye Irritation, Category 2



GHS Signal Word:	Warning
GHS Hazard Phrases:	Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life.
GHS Precaution Phrases:	Keep out of reach of children. Read label before use. Do not breathe {dust/fume/gas/mist/vapours/spray}. Do not get in eyes, on skin, or on clothing. Wear rubber gloves, chemical goggles, face shield and rubber apron. Wash hands thoroughly after handling. Avoid release to the environment.
GHS Response Phrases:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention. IF ON SKIN: Take off contaminated clothing and wash before re-use. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention. Medical and Transportation Emergencies contact Chemtrec 1-800-424-9300
GHS Storage and Disposal Phrases:	Dispose of contents/container in accordance to local, state and federal regulations. Store locked up.

Hazard Rating System:

HEALTH		2
FLAMMABILITY		0
PHYSICAL		0
PPE		D

HMIS:

**Potential Health Effects
(Acute and Chronic):**

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1341-49-7	Ammonium bifluoride	1.0 -3.0 %
7664-38-2	Phosphoric acid	1.0 -5.0 %
27176-87-0	Dodecylbenzenesulfonic acid	1.0 -3.0 %
1336-21-6	Ammonium hydroxide	< 3.0 %

4. First Aid Measures

Emergency and First Aid Procedures:	No data available.
In Case of Inhalation:	Immediately move victim to fresh air. If experiencing respiratory symptoms: Get immediate medical advice/attention.
In Case of Skin Contact:	Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.
In Case of Eye Contact:	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention.

5. Fire Fighting Measures

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Dry chemical, CO2, sand, earth, water spray or regular foam.	
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.	
Flammable Properties and Hazards:	No data available.	

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Rubber or neoprene gloves, Safety glasses. Wear chemical protective clothing. NIOSH/MSHA approved respirator
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with inert material (e.g. dry sand or earth), and dispose of in accordance with applicable regulations.

7. Handling and Storage

Precautions To Be Taken in Handling: For industrial or institutional use only. Do not get in eyes, on skin or on clothing. Do not breath (dust, vapor, mist, gas). Use with adequate ventilation. Wash thoroughly after handling

Precautions To Be Taken in Storing: Keep from freezing. Store in a tightly closed container. Store in cool/well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1341-49-7	Ammonium bifluoride	No data.	No data.	No data.
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
27176-87-0	Dodecylbenzenesulfonic acid	No data.	No data.	No data.
1336-21-6	Ammonium hydroxide	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Wear appropriate respirator when ventilation is inadequate.

Eye Protection: Splash proof safety goggles

Protective Gloves: Impervious gloves

Other Protective Clothing: Wear chemical protective clothing.

Engineering Controls (Ventilation etc.): Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: Clear Colorless Liquid
Odor: Acid-like odor

Melting Point: 0.00 C

Boiling Point: 100.00 C

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): 1.035 - 1.045

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: 100

pH: 3.0 - 4.0 @ 1%

Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.

Incompatibility - Materials To Avoid: Reactive with oxidizing agents, and metals. Slightly reative with alkalis.

Hazardous Decomposition Or Byproducts: Decomposition products are halogenated compounds, hydrogen fluoride.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Absorbed through skin. Eye contact. Ingestion.

Irritation or Corrosion: Eyes: Causes serious eye irritation.

Skin: Causes skin irritation.

Ingestion: Health injuries are not known.

Inhalation: Health injuries are not known.

Symptoms related to Toxicological Characteristics: Eyes: Redness, pain, irritation.
Skin: Redness, Pain, irritation.
Ingestion: No symptoms known.
Inhalation: No symptoms known.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: Toxic to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance to local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Compound Cleaner, Not Regulated.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not Regulated.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1341-49-7	Ammonium bifluoride	No	Yes 100 LB	No
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
27176-87-0	Dodecylbenzenesulfonic acid	No	Yes 1000 LB	No
1336-21-6	Ammonium hydroxide	No	Yes 1000 LB	No

16. Other Information

Revision Date: 04/15/2015

Additional Information About This Product: Company's Disclaimer: While Trusty Step International believes this statement set forth herein are accurate as of the date hereof, Trusty Step makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.