

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b> <b>Identity (As Used on Label and List):</b> SPT Non-Slip (SPT110) <b>Product Class:</b> Acid Cleaner Surface Treatment <b>Emergency Telephone Number:</b> 800-535-5053 <b>Telephone Number for Information:</b> 763-972-9222 <b>Distributor's Name and Address:</b> SlipFix, Inc. P.O. Box 640 Delano, MN 55328									
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b> <b>Hazardous Components (Specific Chemical Identity):</b> <table border="1"><thead><tr><th>Chemical</th><th>Common Name(s)</th></tr></thead><tbody><tr><td>A</td><td>Ammonium Bifluoride CAS #1341-49-7</td></tr><tr><td>B</td><td>Water CAS #7732-18-5</td></tr></tbody></table>	Chemical	Common Name(s)	A	Ammonium Bifluoride CAS #1341-49-7	B	Water CAS #7732-18-5			
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<b>SECTION III - HAZARDS IDENTIFICATION</b> <b>Emergency Overview</b> <b>Appearance and Odor:</b> Clear liquid, Low odor <b>Primary Hazards:</b> Irritant <b>Potential Health Hazards</b> <b>Route(s) of Entry:</b> Skin Absorption: X Ingestion: X Inhalation: X <b>Eye:</b> May cause burns on contact. <b>Skin:</b> May cause burns on contact. <b>Ingestion:</b> Harmful if swallowed. <b>Inhalation:</b> Overexposure to vapors or mists may be harmful. <b>Signs and Symptoms of Exposure:</b> Irritation. <b>Carcinogenicity:</b> NTP? No IARC Monographs? No <b>OSHA Regulated?</b> No <b>Target Organ (s):</b> Eyes, skin and respiratory system. Overexposure to liquid may affect central nervous system, liver, bones and kidneys. <b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av. <b>Health Hazards, Chronic:</b> Can cause fluoride poisoning									
<b>SECTION IV - FIRST AID MEASURES</b> <b>Emergency and First Aid Procedures:</b> <b>If Swallowed:</b> Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes. Get immediate medical attention. <b>Skin Contact:</b> Flush thoroughly with cool water. Get medical attention. Remove and wash contaminated clothing before reuse. Attention Physician treatment for fluoride poisoning with calcium gluconate or benzalkonium chloride should be considered. <b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.									
<b>SECTION V - FIRE FIGHTING MEASURES</b> <b>Flammability:</b> No <b>Autoignition Temperature:</b> N. Ap. <b>Flash Point (method used):</b> None <b>Flammable Limits:</b> N. Ap. LEL UEL <b>Extinguishing Media:</b> N. Ap. <table border="1"><tbody><tr><td>Water?</td><td>Foam?</td><td>Water Fog?</td></tr><tr><td>Alcohol Foam?</td><td>CO<sub>2</sub>?</td><td>Dry Chemical?</td></tr><tr><td>Vaporizing Liquid?</td><td>Other?</td><td></td></tr></tbody></table> <b>Special Fire Fighting Procedures:</b> N. Ap. <b>Unusual Fire and Explosion Hazards:</b> N. Av. <b>TDG Flammability Classification:</b> Non-flammable <b>Sensitivity to Mechanical Impact:</b> None <b>Sensitivity to Static Discharge:</b> None	Water?	Foam?	Water Fog?	Alcohol Foam?	CO <sub>2</sub> ?	Dry Chemical?	Vaporizing Liquid?	Other?	
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<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b> <b>Steps to be taken in Case Material is Released or Spilled:</b> Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.									
<b>SECTION VII - HANDLING AND STORAGE</b> <b>Precautions to be taken in Handling and Storing:</b> Normal care in handling and storage. Do not allow contact with skin. <b>Other Precautions:</b> Keep out of reach of children. Keep from freezing.									
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b> <b>Respiratory Protection (Specify Types):</b> Not required <b>Ventilation: Local Exhaust:</b> Not required <b>Special:</b> Not required <b>Mechanical (General):</b> Normal good ventilation sufficient. <b>Other:</b> Not required <b>Protective Gloves:</b> Chemical resistant rubber. <b>Eye Protection:</b> Approved safety goggles or glasses. <b>Footwear:</b> Not required <b>Other Protective Clothing or Equipment:</b> Not required <b>Work/Hygienic Practices:</b> Do not contaminate food or beverages with cleaning chemicals.									

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b> Approximately 212°F (100°C) <b>Specific Gravity (H<sub>2</sub>O) = 1:</b> 1.00 <b>Vapor Density (Air = 1):</b> < 1 <b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av. <b>Solubility in Water:</b> Complete <b>Vapor Pressure (MM HG):</b> N. Av. <b>Melting Point:</b> N. Ap.	<b>pH:</b> 1 to 2.5 <b>% Volatile:</b> > 80 <b>Odor Threshold:</b> N. Av. <b>Oil/Water Distribution Coefficient:</b> N. Av.																		
<b>SECTION X - STABILITY AND REACTIVITY</b> <b>Stability:</b> Unstable: Stable: X <b>Conditions to Avoid:</b> Mixing with acids, chlorinated products, or alkaline products. <b>Incompatibility (materials to avoid):</b> Metals, alkaline products, acids chlorinated products, and glass. <b>Hazardous Decomposition or By-products:</b> Hydrogen gas, heat, ammonia, chlorine vapors. <b>Hazardous Polymerization:</b> May occur: Will not occur: X																			
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b> <table border="1"><thead><tr><th>Chemical</th><th>OSHA PEL</th><th>ACGIH TLV</th><th>Recom.</th><th>LD50</th><th>LC50</th></tr></thead><tbody><tr><td>A</td><td>2.5 mg/m<sup>3</sup></td><td>2.5 mg/m<sup>3</sup></td><td>N. Ap.</td><td>300 mg/kg (rat, oral)</td><td>N. Av.</td></tr><tr><td>B</td><td>None</td><td>None</td><td>N. Av.</td><td>None</td><td>None</td></tr></tbody></table> <b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No <b>Toxicologically Synergistic Products:</b> N. Av.		Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50	A	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>	N. Ap.	300 mg/kg (rat, oral)	N. Av.	B	None	None	N. Av.	None	None
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<b>SECTION XII - ECOLOGICAL INFORMATION</b> <b>Ecotoxicological Information:</b> N. Av. <b>Chemical Fate Information:</b> N. Av.																			
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b> <b>Waste Disposal Method:</b> Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations. <b>RCRA Hazard Class:</b> N. Ap.																			
<b>SECTION XIV - TRANSPORT INFORMATION</b> <b>Shipping Classification:</b> Compound, cleaning liquid, N.O.I. <b>UN Number:</b> N. Ap. <b>Packing Group:</b> N. Ap.																			
<b>SECTION XV - PREPARATION DATA</b> <b>Prepared By:</b> Health and Safety Department <b>Telephone Number:</b> 763-509-7937 <b>Date:</b> 11/02																			
<b>SECTION XVI - REGULATORY INFORMATION</b> <b>US Federal Regulations</b> <b>TSCA Status:</b> All ingredients listed. <b>CERCLA Reportable Quality:</b> None <b>SARA Title III</b> <b>Section 302 Extremely Hazardous Chemicals:</b> None <b>Section 311/312 Hazard Category:</b> None <b>Section 313 Toxic Chemicals:</b> Glycol ethers (EB .1%)																			
<b>SECTION XVII - OTHER INFORMATION</b> None  N. Ap. - Not Applicable; N. Av. - Not Available																			

**NFPA SYSTEM**  
2 A. Health Hazard    0 A. Fire Hazard    0 A. Reactivity Hazard

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