

Section I. Product Identification

Product Name: Slip Safe (SR1) Pretreatment

Product Use: Anti-Slip Treatment Concentrate

WHMIS Class: E, D2B

Concentrate Hazard Ratings: Health: 3 Fire: 0 Reactivity: 1

TDG Class: 8 (6.1)

Packing Group: II

UN Number: 1790

Name: HYDROFLUORIC ACID SOLUTION

Section II. Hazardous Ingredients

Chemical	Name	CAS# % by Weight	Toxicity
Ammonium Bifluoride	1341-49-7	5-10%	LD50 130 mg/kg Oral (Rat)
Sulfuric Acid	7664-93-9	5-10%	OSHA PEL 1 mg/m ³
Ethylene Glycol	111-76-2	2-10%	LD50 470 mg/kg Oral (Rat)
Monobutyl Ether			LD50 220 mg/kg Skin (Rabbit)

Section III. Physical and Chemical Properties

Appearance: Clear colourless liquid

PH (100%): 1-3

Boiling Point: >100°C

Odour: Mild pungent acid

Solubility in Water: 100%

Specific Gravity: 1.08

Section IV. Fire and Explosion Hazard Data

Flash Point (TCC): >100°C

Extinguishing Media: Match media to surrounding fire.

Hazardous Combustion Products: Carbon oxides.

Unusual Fire and Explosion Hazards: None.

Section V. Reactivity Data

Stability: Stable

Products to Avoid: Reacts with chlorine to produce chlorine gas; reacts with alkalis

Conditions to Avoid: None known

Hazardous Decomposition Products: None known

Section VI. Toxicological Properties

Effects of Overexposure

Eyes: Severely corrosive; may cause corrosive burns.

Skin: Severely corrosive; may cause corrosive burns. May be absorbed through the skin.

Ingestion: Harmful or fatal if swallowed. May cause burns to mouth, throat and stomach. May damage heart, respiratory system, circulatory system, brain, and kidneys.

Inhalation: Breathing vapour or mist may cause irritation and corrosive effects to nose, throat and respiratory tract.

Contains ammonium bifluoride. Chronic exposure may cause bone damage (osteosclerosis), and fluorosis.

Section VII. First Aid Measures

Eye Contact: Flush with cool running water for 15 minutes, removing contact lenses and keeping eyelids open. Get medical attention if irritation persists.

Skin Contact: Flush with cool running water for 15 minutes, removing contaminated clothing. Get medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth, then drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation: If breathing is difficult, remove to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.

Section VIII. Preventative Measures

Personal Protective Equipment

Eyes: Use chemical splash goggles.

Skin: Wear chemical resistant, impervious gloves. Wear other protective equipment as necessary to prevent skin contact.

Respiratory: If vapours are not adequately controlled by ventilation, use appropriate respiratory protection, as determined by exposure levels, hazards of the product, and the safe working limits of the selected respirator.

Spill or Leak Procedures

Cleanup: Flush residue or small spills to sanitary sewer. Dike or dam large spills. Pump to containers or soak on inert absorbent and place in suitable containers for disposal.

Waste Disposal: Dispose of in accordance with Federal, Provincial and Municipal regulations.

Handling and Storage

Handling: Danger. Corrosive. Causes eye and skin burns. Rinse thoroughly with water after contact. Harmful if swallowed.

Storage: Keep out of reach of children. Keep container tightly closed. Store in cool, well-ventilated area.



Material Safety Data Sheet

Slip Safe (SR1) Pretreatment

Section IX. Preparation and Other Information

Prepared By: Regulatory Affairs Date: March, 2011
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