Safety Data Sheet

1.Identification of Substance and of the Company

Company: NSC CO., LTD. SINGAPORE BRANCH
Registered Office: 8 Shenton Way, #16-03, Singapore 06881
Manufacturing Factory: 76 Tuas South Street 5, Singapore 63780
Contacts: Tel) +65-6224-0190, Fax) +65-6224-0132

Trade names/Synonyms: SUS CLEAN #300 E
Chemical Family: Inorganic Acid
HS Code: 3810-10-000
Creation Date: 11th September 2004
Revision Date: 9th August 2008

2.Composition/Information on Ingredients

Component: Hydrofluoric Acid
Cas No.: 7664-39-3
Percentage: 3.0-10.0%

Component: Nitric Acid
Cas No.: 7697-37-2
Percentage: 10.0-20.0%

Component: Ammonium Bifluorin
Cas No.: 1341-49-7
Percentage:3.0-10.0%

Component: Water
CAS No.: 7732-18-5
Percentage: 28.0-66.0%

Component: Additives
Percentage: 18.0-32.0%

3.Hazard Identification

Toxic and Corrosive with water
UN classification: 8

4.First-Aid Measures

Inhalation:
Remove from exposure area to fresh air immediatel
If necessary, seek prompt medical attentio
Skin Contact:
Remove contaminated clothing and shoes immediatel
Wash affected area with large amount of water (at least 30 - 60 minutes
Eye contact:
Wash/flush eyes immediately with large amounts of water (at least 30 - 60 minutes

5.Fire Fighting Measures

Fire and Explosion Hazard: Not applicable

Extinguishing Media

Extinguishing media includes dry chemical, carbon dioxide, water spray, or regular foa

6.Accidental Release Measures

Occupational Spill:

Do not touch spilled material. Wear a laboratory coat or acid - proof overalls, gloves, approved self contained breathing apparatus and safety boots. Stop leak if you can do it without risk. For a small amount, take up with sand or other absorbent material and place into containers for later disposal. For small dry leak, place material with clean shovels into clean dry container and cover it. Transfer the container from the spill area. For a large amount of leak, evacuate area. Reduce vapors with water spray.

Soil Spill:

Wear appropriate personal protective equipment (refer to Occupational Spill). Dig holding are such as lagoon, pond or pit for containment. Dike the spilled material for later disposal. Absorb with sand or other non-combustible material. Add an alkaline material such as lime, crushed limestone, sodium bicarbonate or soda ash.

Air Spill:

Wear appropriate personal protective equipment (refer to Occupational Spill). Reduce vapo with water spray. Collect runoff for disposal as potential hazardous waste.

Water Spill:

Add alkaline material such as lime, crushed limestone, sodium bicarbonate or soda ash neutralize. Collect spilled material by using mechanical equipment.

7.Handling and Storage

Precaution:

Do not use under sunshine. Wear approved respirator, chemical -resistant gloves, safety goggles and other protective clothing. Use face shield or combined eye and respiratory protection. Provide ventilation, local exhaust, safety shower and eye bath in work place. Do not bath vapor and mist. Do not get in eyes, on skins and on clothing. Avoid exposure. After handling, wash the body and contaminated clothing.

Storage Condition:

Store in shade to avoid sunshine. Ventilate at floor available.

8.Exposure Controls/Personal Protection

Personal Protection
Respiratory Protection: Gas mask or air-ventilated mas
Protective Gloves: Anticorrosive protective glove
Eye Protection: Anticorrosive safety goggle
Other Protective clothing or equipment: Wear appropriate chemical resistant gloves and clothin
Other operational precautions: Wash hands and face after using / handling operatio

9.Physical and Chemical Properties

Appearance: Gelling
Color: Translucen
Boiling Point: 98.5℃
Melting Point: -37℃
Flash Point: Not to boi
Vapor Pressure: Not available
Vapor Density: Not available
Specific Gravity: 1.26
Water Solubility: Soluble
Odor Threshold: Pungent odo
Evaporation Rate: Not available
Hazardous Polymetrization: Alcoho
Hazardous Decomposition or by products: Not know

10.Stability and Reactivity

Stability: Unstable
Incompatibilities: Corrosive to metal, glass and silicate

11.Toxicological Information

Toxicity: Highly corrosive to body (acute and chronic)
Route of Entry: Inhalation, Skin Contact, Ingestion
Exposure Limit: 3ppm
Permit Limit: 3ppm
Medical Conditions Generally Aggravated by Exposures: 30ppm Immediate danger to life or heal

12.Ecological Information

This substance may be harmful to aquatic organisms

13.Disposal Consideration

Before disposal, neutralizing treatment to be made with suitable agents such as agriculture lin
or lime.
Waste must be disposed of in accordance with federal, state and local environment contr

14.Transport Information

Any transportation practice must be in compliance with local, state or federal laws ar
regulations. (Contact local or state transportation agency for specific rules.)
UN No.: 2031

15.Regulatory Information (not meant to be all inclusive)

Follow all local regulations

16.Other Information

References:

This information herein is given in good faith, but no warranty, express or implied, is mac
Final determination of suitability of any material is the sole responsibility of the user. All
materials may present unknown hazards and should be used in caution. Although certain
hazards are described herein, we can not guarantee that these are the only hazards which exists.