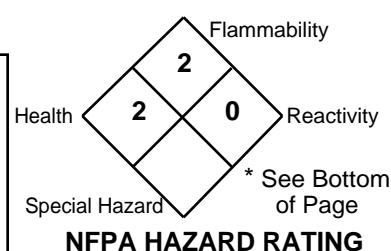


MATERIAL SAFETY DATA SHEET

53

Distributed by:
Chem Source
1904 Lenore Lane
Red Wing, MN 55066



Product Name: **Finale**

EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)

I. IDENTIFICATION

Chemical Name And Synonyms:

Not applicable

DOT Shipping Name

Fluorosilicic Acid, Solution

Chemical Family:

Acid

DOT Hazard Class & I.D. Number

Corrosive Material UN1778

#

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II

II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Hydrofluorosilicic Acid	16961-83-4	9-11	2.5mg/m3	2.5mg/m3	NA	Severe irritant to eyes, skin, mucous membranes.
Isopropanol	67-63-0	1.5-3	400 ppm	400 ppm	NA	Flammable

**Toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR §372).

NA: Not applicable

III. PHYSICAL DATA

Boiling Point: Not established

Specific Gravity: 1.090

Appearance: Opaque, pink liquid

Form: Liquid

Solubility In Water: Complete

Odor: Floral

pH, 1% Soln.: 1.9

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 140°F - 150°F

Extinguishing Media: Dry chemical, water fog, alcohol foam

Special Fire

Fighting Procedures: Although this product is not combustible, if a fire occurs in the near vicinity, good fire-fighting practice dictates the use of self-contained breathing apparatus and other protective gear. Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire And

Explosion Hazards: Extinguish all nearby sources of ignition since flammable hydrogen gas will be liberated from contact with some metals.

V. HEALTH HAZARD DATA

Carcinogenic: The raw materials used in this product are not considered to be a carcinogen by ACGIH and OSHA.

Effects Of Over-exposure: Liquid or vapors can cause irritation. Can cause irritation to lungs, nose and throat. If swallowed, can cause damage to throat and stomach.

Emergency And First

Aid Procedures:
EYES: Flush eyes for 15 minutes with large amounts of water, lifting upper and lower eyelids occasionally. GET IMMEDIATE MEDICAL ATTENTION.
SKIN: Immediately flush with cold water for at least 15 minutes while removing contaminated clothing and shoes, paying particular attention to skin under the nails. Always GET IMMEDIATE MEDICAL ATTENTION no matter how minor skin burns appear. Wash contaminated clothing before use.
INGESTION: DO NOT induce vomiting. If conscious, give lots of water or milk. GET IMMEDIATE MEDICAL ATTENTION. Do not give anything by mouth to an unconscious or convulsing person.
INHALATION: Remove to fresh air. Give artificial respiration if not breathing. GET IMMEDIATE MEDICAL ATTENTION.

* NFPA Degree or Hazard: 4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant.

Continued On Back

VI. REACTIVITY DATA

Stability - Unstable: Stable:

Conditions To Avoid: Heat, sparks, and open flames.

Incompatibility: Alkalis, strong concentrated acids, oxidizing (ie. hypochlorites) or reducing materials, cyanides, sulfides, or combustible materials. Also, glass, metals and stoneware.
(Materials To Avoid)

Hazardous

Decomposition Products: When heated to decomposition, toxic and corrosive fumes of hydrogen fluoride, silica tetrafluoride and hydrogen gas.

VII. SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Wear protective equipment including rubber gloves, rubber boots, and an apron as needed. Always wear eye protection. For small spills or drips, mop or wipe up and dispose of in DOT--approved waste containers. Keep non-neutralized material out of sewers, storm drains, surface waters, soil.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Respiratory protection is not required for normal use. If use conditions generate vapors or mists, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a >20 mg/m³, approved acid respirator or >200ppm, full face mask.

Ventilation: Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL.

Protective Gloves: Acid resistant gloves.

Eye Protection: Chemical goggles.

Protective Clothing: In situations where contact can be anticipated, protective clothing should be worn.

IX. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:

Store in a cool, dry, well ventilated place. Store away from all other chemicals and potential sources of contamination. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not cut, grind, weld, or drill on or near this container. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Prohibit smoking, flames, and sparks near acid storage area. Store in plastic container away from heat.

Other Precautions: Safety showers and eyewash stations should be provided in the areas where this product is handled.

X. REVISED INFORMATION

MSDS Status: IV. FIRE AND EXPLOSION HAZARD DATA: Added flashpoint information
Changed NFPA flammability rating

Revised: 1/15/2002 lmt

Supersedes: 11/2/2001

The opinions expressed herein are those of qualified experts within ANDERSON Chemical Company. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of ANDERSON Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.