

Material Safety Data Sheet

Number: **DMN0329**

Product Name: **L. L. Neutral, Daco[®]**

A liquid inorganic acid.

Revised: 5/20/08

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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>Cas No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Fluorosilicic acid	16961-83-4	20 - 30%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is corrosive to all body parts. Excessive inhalation of vapors may cause irritation. A colorless liquid with pungent odor. Product is water based and does not burn. Contact with reactive metals will form small amounts of hydrogen gas. Product has a low pH and more than 2 gallons should not be allowed into sewers without neutralizing.

Health Hazards: Corrosive, Irritant

Physical Hazards: Reactive

Primary Routes of Entry: Through Skin Inhalation Ingestion

Potential Health Effects:

Eyes - causes severe irritation and damage, redness, tearing, blurred vision, may cause blindness.

Skin - causes severe irritation. Prolonged contact can cause permanent damage to skin.

Swallowing - causes gastrointestinal irritation and burns, nausea, vomiting, diarrhea.

Breathing - excessive inhalation of vapors can cause irritation.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with running water for 15 minutes. Remove contaminated clothing and shoes. If irritation persists, call a physician. Wash clothing before reuse.

Inhalation: If affected, move exposed person to fresh air. If irritation persists get medical attention.

Ingestion: If the product is swallowed, do NOT induce vomiting. If affected person is conscious, give a glass of water or milk to drink. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: None (ASTM D-56 closed cup)

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Extinguishing Media: Any.

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: Contact with reactive metals will form hydrogen gas. Contact with bleach will form chlorine gas.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Small spills of 2 gallons or less may be wiped or mopped up. Larger spills should be diked to prevent spreading and then collected into clean pails or drums.

Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

Store separate from alkalis, oxidizers and reactive metals in a cool, well ventilated area. Remove leaking containers.

Do not mix this product with bleach or cleaners containing bleach because this could produce a dangerous gas (chlorine). If this product is only used with an automatic chemical feed system there should never be a hazard. However, if hooked up improperly, spilled or misused, gas could accidentally be produced. See the L. L. Destainer (Bleach) MSDS for safety and emergency procedures. Contact Damon Industries if more information is needed.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Fluorosilicic acid (1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA	16961-83-4	20 - 30%	2.5mg/m ³	-	-
TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous					

Ventilation: Good room ventilation.

Respiratory Protection: None when used as directed.

Other Protective Equipment: When changing containers, handling open containers or cleaning up spills wear resistant gloves such as neoprene or latex, safety glasses with side shields or goggles, vinyl or rubber apron and impervious shoes (not tennis shoes or sneakers). An eyewash station should be located within 10 seconds travel time.

Section 9 - Physical and Chemical Properties

Boiling Point: 220° F.

Specific Gravity: 1.23

Percent Volatiles: 80%

Solubility In Water: Complete

Appearance and Odor: Colorless liquid with pungent odor.

Vapor Pressure: Not Applicable

Vapor Density: Not Applicable

Evaporation Rate: Not Applicable

pH: concentrate 0.5 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: Alkalis, bleach, oxidizers, reactive metals.

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: None.

Section 12 - Ecological Information

Do not dispose of in nature.

Section 13 - Disposal Considerations

Waste Disposal Method: Up to 2 gallons may be washed to sewer with a large amount of water. Larger amounts should be neutralized to within pH limits of your waste water system and then disposed of in sewer.

Section 14 - Transport Information

D.O.T. Hazard Class: FLUROSILICIC ACID SOLUTION, 8, UN 1778, P.G. II

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA®: H:1 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 8/4/98.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.

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