SAFETY DATA SHEET

Neutra Free

Revision: 09/26/2014

Distributor: Amfree Inc. 3702-D Alliance Drive Greensboro, NC 27407 (888) 691-8138

1. Product and Company Identification

Product Code: 4712

Product Name: Neutra Free

Company Name: PDQ Manufacturing, Inc.
201 Victory Circle
Ellijay, GA 30540

Phone Number: (706)636-1848

Web site address: www.pdqonline.com

Emergency Contact: Chemtrec, Use Company Code: A814 (800)424-9300

Information: info@pdqonline.com (706)636-1848

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Acute Toxicity: Oral, Category 5
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 1

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H314 - Causes severe skin burns and eye damage.
H303 - May be harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.

GHS Precaution Phrases:
P260 - Do not breathe fumes/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye and skin protection.
P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Response Phrases:
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 - Wash contaminated clothing before reuse.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a Poison Center or doctor if you feel unwell.
P332+313 - If skin irritation occurs, get medical advice/attention.

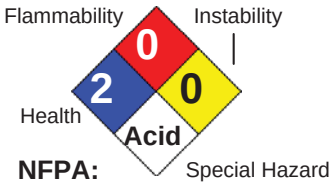
GHS Storage and Disposal Phrases: P405 - Store locked up.

Hazard Rating System:

HMIS:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	1
PPE	C

NFPA:



Potential Health Effects (Acute and Chronic):

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact: May be harmful if absorbed through the skin. Causes skin burns.

Eye Contact: Causes eye burns.

Ingestion: Causes burns. Harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
16961-83-4	Fluosilicic acid {Hydrosilicofluoric acid}	<12.5 %
77-92-9	Citric acid	<12.5 %
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	< 5.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If breathed in, move person into fresh air. Consult a physician.

In Case of Skin Contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician. In case of contact, immediately wash skin with soap and copious amounts of water.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Spasm, inflammation and edema of the larynx, Spasm, inflammation and edema of the bronchi, Pneumonitis. Pulmonary edema. Burning sensation, Shortness of breath, Headache. Vomiting, Diarrhea. Damage to tooth enamel. Dermatitis.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Flash Pt: NA

Explosive Limits: LEL: N.D. UEL: N.D.

Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards:

6. Accidental Release Measures

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

Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions.
Do not let product enter drains.

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid breathing dust. Pick up and arrange disposal without creating dust. Sweep up and shovel. Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Methods for cleaning up.
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with eyes, skin, and clothing.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
16961-83-4	Fluosilicic acid {Hydrosilicofluoric acid}			
77-92-9	Citric acid			
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}			

Respiratory Equipment (Specify Type): Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Eye Protection: Tightly fitting safety goggles.

Protective Gloves: Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

Other Protective Clothing: Wear a chemical apron.

Engineering Controls (Ventilation etc.): There are no special ventilation requirements. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Water white, clear thin liquid Characteristic, pungent odor.
Melting Point:	NE
Boiling Point:	NE
Decomposition Temperature:	NE
Autoignition Pt:	NA
Flash Pt:	NA
Explosive Limits:	LEL: N.D. UEL: N.D.
Specific Gravity (Water = 1):	~ 1.12
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	~ 1.0 (H2O=1)
Solubility in Water:	complete
Saturated Vapor Concentration:	NE
Viscosity:	Water thin
pH:	< 1.5
Percent Volatile:	~ 12 % by weight.
Heat Value:	NE

10. Stability and Reactivity

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	
Incompatibility - Materials To Avoid:	Oxidizing agents, Bases, Reducing agents.
Hazardous Decomposition Or Byproducts:	Hydrogen fluoride, silicon oxides. Carbon oxides, Carbon monoxide.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	

11. Toxicological Information

Toxicological Information:

Carcinogenicity/Other Information:

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
16961-83-4	Fluosilicic acid {Hydrosilicofluoric acid}	n.a.	n.a.	n.a.	n.a.
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquids, n.o.s.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760 **Packing Group:** II

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
16961-83-4	Fluosilicic acid {Hydrosilicofluoric acid}	No	No	No
77-92-9	Citric acid	No	No	No
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
16961-83-4	Fluosilicic acid {Hydrosilicofluoric acid}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

77-92-9	Citric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

16. Other Information

Revision Date: 09/26/2014

Preparer Name: Regulatory Affairs

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Material Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.