

RXX

1. Product and Company Identification

Product Code: 4712
Product Name: RXX
Revision: 04/20/2023
Supersedes Revision: 05/27/2021

Manufacturer Information: PDQ Manufacturing, Inc.
 201 Victory Circle
 Ellijay, GA 30540
Phone Number: (706)636-1848
Web site address: www.pdqonline.com

Emergency Contact: Chemtrec (800)424-9300 / 24 Hr.
 Leak, Spill, Exposure, Fire, Accident

Supplier Name and Address: **Phone Number:**

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B

Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
 H318 - Causes serious eye damage.

GHS Precautionary Phrases: P264 - Wash hands thoroughly after handling.
 P280 - Wear eye and skin protection.

GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P321 - Specific treatment see section 4 on this SDS.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container via local/regional/national/international regulation.

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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:	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	Oxalic Acid	< 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 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:	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.
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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.
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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.

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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	Oxalic Acid			

Respiratory Equipment (Specify Type):	Respirator protection is not normally required.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
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:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Clear, colorless 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 (H ₂ O=1)
Solubility in Water:	complete
Saturated Vapor Concentration:	NE
Viscosity:	Water thin
pH:	< 1.5
Percent Volatile:	~ 12 % by weight.

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Heat Value: NE

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid -

Instability:

Incompatibility - Materials To Avoid: Oxidizing agents, Bases, Reducing agents.

Avoid:

Hazardous Decomposition or Byproducts: Hydrogen fluoride, silicon oxides. Carbon oxides, Carbon monoxide.

Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid -

Hazardous Reactions:

11. Toxicological Information

Toxicological Information:

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	Oxalic Acid	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. (Fluosilicic acid, Oxalic Acid)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN1760

Packing Group: II



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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	Oxalic Acid	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	Oxalic Acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

16. Other Information

Revision Date: 04/20/2023
Preparer Name: Regulatory Affairs

Hazard Rating System:

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PPE	B

HMIS:

Additional Information About

This Product:

Company Policy or

Disclaimer:

The information contained in this 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.