SAFETY DATA SHEET
Ring and Stain Remover

Printed: 03/14/2023
Revision: 03/14/2023
Supersedes Revision: 07/24/2020

1. Product and Company Identification

Product Code: TTRRQ, TTRR

Product Name: Ring and Stain Remover

Company Name: McCalla Company
6856 Van Nuys Blvd.
Van Nuys, CA 91405

Phone Number: (818)786-2125

Emergency Contact: Chemtrec (800)424-9300

Recommended Use: Restroom Cleaner

Intended Use: For sale to, use and storage by service persons only.

2. Hazards Identification

Acute Toxicity: Oral, Category 3
Skin Corrosion/Irritation, Category 1B
Specific Target Organ Toxicity (single exposure), Category 3

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H301 - Toxic if swallowed.
H314 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.

GHS Precaution Phrases:
P264 - Wash hands thoroughly after handling.
P102 - Keep out of reach of children.
P270 - Do not eat, drink or smoke when using this product.
P260 - Do not breathe dust, fumes, mist, vapors, spray.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P271 - Use only outdoors or in a well-ventilated area.
P261 - Avoid breathing fumes and spray mist.

GHS Response Phrases:
P301+310 - If swallowed: Immediately call a Poison Center or doctor.
P303+361+353 - If on skin (or in hair): Take off immediately all contaminated clothing. Rinse skin with water.
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.
P304+340 - If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

GHS Storage and Disposal Phrases:
P411+235 - Store in cool dry place at room temperature away from direct sunlight.
P501 - Dispose of contents and container according to the local, city, state and federal regulations.

Inhalation: Causes chemical burns to the respiratory tract.

Skin Contact: Causes skin irritation. May be harmful if absorbed through the skin. May penetrate the skin and cause severe tissue and bone destruction. Avoid any skin contact.

Eye Contact: Causes eye burns. May cause chemical conjunctivitis and corneal damage. Avoid any eye contact.

Ingestion: Causes gastrointestinal tract burns. Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. Inorganic fluorides can be harmful. Acute exposure to fluorine compounds can lead to digestive tract burns, and abdominal pain. Fluoride can

reduce calcium levels leading to fatal hypocalcemia. May cause systemic effects.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7664-38-2	Phosphoric acid	Proprietary	
7647-01-0	Hydrochloric acid	Proprietary	
1341-49-7	Ammonium bifluoride	Proprietary	

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid. Wash clothing before reuse. Destroy contaminated shoes.

In Case of Eye Contact: Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

In Case of Ingestion: Get medical aid immediately. Never give anything by mouth to an unconscious person. Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: NP

Explosive Limits: LEL: N.E. UEL: N.E.

Autoignition Pt: NP

Suitable Extinguishing Media: CO_2, dry foam, water.

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Contact with metals may evolve flammable hydrogen gas.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

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: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Avoid generating dusty conditions.

7. Handling and Storage

Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Wash clothing before reuse. Wash thoroughly after handling. Minimize dust generation and accumulation. Discard contaminated shoes. Use only with adequate ventilation.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
7647-01-0	Hydrochloric acid	CEIL: 5 ppm	CEIL: 2 ppm)	No data.
1341-49-7	Ammonium bifluoride	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.

Personal Protective Equipment Symbols:

Respiratory Equipment (Specify Type): Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: Goggles and face shield.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Colorless liquid with acrid fragrance.

pH: < 1

Melting Point: NE

Boiling Point: >= 212.00 F

Flash Pt: NP

Evaporation Rate: NE

Flammability (solid, gas): No data available.

Explosive Limits: LEL: N.E. UEL: N.E.

Vapor Pressure (vs. Air or mm Hg): NE

Vapor Density (vs. Air = 1): NE

Specific Gravity (Water = 1): ~ 1.110
Density: ~ 9.26 LB/GA
Bulk density: NE
Solubility in Water: 100%
Saturated Vapor Concentration: NE
Octanol/Water Partition Coefficient: No data.
VOC / Volume: 0.0000 G/L
Autoignition Pt: NP
Decomposition Temperature: NE
Viscosity: NP
Particle Size: NE
Heat Value: NE
Corrosion Rate: NE

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]
Conditions To Avoid - Instability: Incompatible materials, Metals. Excess heat, dust generation, Moisture.
Incompatibility - Materials To Avoid: Strong oxidizing agents, Reacts with most common metals to produce hydrogen gas. Is corrosive to many materials including leather, rubber, and many organics. acids, Bases.
Hazardous Decomposition or Byproducts: Phosphine, oxides of phosphorus, hydrogen gas. Carbon monoxide, hydrogen fluoride gas. ammonia and/or derivatives.
Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: None.

11. Toxicological Information

Toxicological Information: CAS# 7664-38-2: Acute toxicity, LD50, Oral, Rat, 1530. MG/KG. Result: [Beha (missing text!)] [Chan (missing text!)] [in (missing text!)] [psyc (missing text!)] [test (missing text!)] ; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970
Carcinogenicity/Other Information: CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7647-01-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1341-49-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: CAS# 7664-38-2: Not reported., Rainbow Trout (Oncorhynchus mykiss), fingerling, 5.190 %, 27 W, Growth, Water temperature: 16.00 C - 20.00 C C. Result: Morphological changes. ; Effect of Various Types of Phosphates on Zinc Availability to Rainbow Trout, Satoh, S., N. Porn-Ngam, T. Takeuchi, and T. Watanabe, 1993
CAS# 7647-01-0: 100% mortality or 0% survival of organism., Brook Trout (Salvelinus fontinalis), 10000. UG/L, Mortality, Water temperature: 11.70 C - 15.60 C C. Result: No observed effect. ; Toxicity Experiments with Fish in Reference to Trade Waste Pollution. I. The Problem of Water Pollution, Belding, D.L., 1927
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 282000. UG/L, 96 H, Mortality, Water temperature: 21.00 C - 23.00 C C, pH: 8.20. Result: Morphological changes. ; Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

Phrases Incomplete

LC50, Western Mosquitofish (Gambusia affinis), adult(s), 282000. UG/L, 24 H, Mortality, Water temperature: 21.00 C - 23.00 C C, pH: 8.20. Result: No observed effect. ; Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container according to the local, city, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: UN2817, Ammonium Hydrogendifluoride Solution, 8, II.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN2817 **Packing Group:** II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: UN2817, Ammonium Hydrogendifluoride Solution, 8, II.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: UN2817, Ammonium Hydrogendifluoride Solution, 8, II.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: UN2817, Ammonium Hydrogendifluoride Solution, 8, 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)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
7647-01-0	Hydrochloric acid	Yes 500 LB	Yes 5000 LB	Yes
1341-49-7	Ammonium bifluoride	No	Yes 100 LB	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[X] Yes [ ] No Acute (immediate) Health Hazard
[ ] Yes [X] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
7647-01-0	Hydrochloric acid	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
1341-49-7	Ammonium bifluoride	CA PROP.65: No; CA TAC, Title 8: Title 8

Phrases Incomplete

16. Other Information

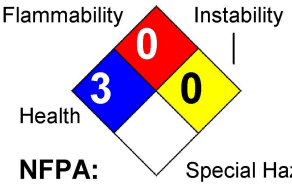
Revision Date: 03/14/2023

Hazard Rating System:

HMIS:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PPE	CAps

NFPA:



Additional Information About This Product: No data available.

Company Policy or Disclaimer: The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.