

OCT 11 1994

MATERIAL SAFETY DATA SHEET

1151R

Manufacturer's Name : THE RAMSEY COMPANY
 Address : 24020 S. Frampton Avenue
 Harbor City, CA 90710
 Telephone Number : (213) 775-7547
 Emergency Telephone : (800) 228-5635 Ext. 118
 Prepared By : Jeff Buckel
 Date Prepared : September, 1989
 Date Revised : February, 1992

HMIS Rating
 Health 3
 Flammability 0
 Reactivity 0

IDENTITY

Common Name TANNIN STAIN REMOVER

Proper Shipping Name; Hazard Class; Hazard ID No.:
Compound, Cleaning, Liquid (containing hydrochloric acid); Corrosive Material; NA1789

INGREDIENT INFORMATION

Principal Hazardous Component(s)	CAS No.	%	Threshold Limit
Hydrochloric acid	7647-10-1	1-2	TLV/PEL:5 ppm Ceiling
Sodium bifluoride	1333-83-1	0.5-1	TLV/PEL:2.5 mg/M ³ (F)

SARA Title III Section 313 and 40 CFR Part 372 Notification:
Hydrochloric acid is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point 212°F Specific Gravity 1.01 Vapor Pressure ND
 Percent Volatile by Volume 98 Vapor Density ND Evaporation Rate ND
 Solubility in Water Complete pH 2.3
 Appearance and Odor Clear white liquid; odorless
 Flash Point >200°F (T.C.C.) Extinguisher Media NA

Special Fire Fighting Procedures Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards Hydrochloric acid will attack most metals with production of potentially explosive hydrogen.

ND=Not Determined, NE=Not Established, NA=Not Applicable

REACTIVITY DATA

Stability Stable Conditions to Avoid None known to The Ramsey Company

Incompatibility Oxidizing agents (e.g. bleach), metals, alkalies

Hazardous Decomposition Products Chlorine, fluoride

Hazardous Polymerization Will Not Occur

Conditions to Avoid None known to The Ramsey Company

HAZARD DATA

Signs and Symptoms of Exposure Direct contact of product with eyes and skin may cause burns. Ingestion may cause burns to mouth, throat and stomach and fluoride poisoning. Inhalation of mist may irritate respiratory tract. Pre-existing eye, skin, and respiratory disorders may be aggravated.

Chemicals Listed as Carcinogens or Potential Carcinogens None

Emergency and First Aid Procedures

1. Inhalation Remove to fresh air. Get medical attention if symptoms persist.
2. Eyes Flush with water for at least 15 minutes. Seek immediate medical attention.
3. Skin Flush with water. Call a physician if irritation develops.
4. Ingestion Drink large quantities of water. Do not induce vomiting. Seek immediate medical attention.

SPECIAL PROTECTION INFORMATION

Respiratory Protection None required if good ventilation is maintained.

Protective Gloves When hand contact is possible, wear rubber or other impervious gloves.

Eye Protection Where eye contact is possible, wear chemical splash goggles.

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling and Storage Use good personal hygiene practice. Wash contaminated clothing and equipment before reuse.

Release or Spill Before attempting clean-up, refer to Hazard Data above. Use non-metallic implements to collect material for proper disposal. Rinse area with water. (Soda ash or lime may be used to neutralize.)

Waste Disposal Dispose of this material in accordance with federal, state, and local regulations.

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.