

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF PRODUCT

Name: TANNIN STAIN REMOVER

Identity: Stain Remover MSDS Number: 7541 Date: 6/19/2003 Supersedes: 6/26/2001
TOXICITY: 1 FIRE: 0 REACTIVITY: 0 PROTECTION: D

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Name | CAS Number | PEL | TLV | % |
|-------------------|------------|-------|-------|---|
| Hydrochloric Acid | 7647-01-0 | C5ppm | C5ppm | 1 |

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|-------------------------------|-----------------------------|--------------------------------|----------------------|
| Boiling Point: 212° F | Specific Gravity: 1.010 | Vapor Pressure (mm Hg.): ND | Melting Point: ND |
| Vapor Density (Air = 1): 1 | Evaporation (H2O = 1): 1 | Water Solubility: Complete | pH @ 77F: Acid |
| | | | VOCgm/L: 0 |

Appearance and Odor: Clear acid smelling liquid

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

| | | | |
|----------------------------|---------|---------|-------------------------|
| Flash Point (TCC): None | % ND | % ND | Flammable Limits: ND |
|----------------------------|---------|---------|-------------------------|

Extinguishing Media: Water fog, foam, carbon dioxide or dry chemical

Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and impervious protective clothing.

Unusual Fire and Explosion: None

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? No EYES? Yes SKIN? No INGESTION? Yes

(Acute) Health Hazards:

Eyes: May cause irritation or damage
Skin: May cause permanent damaged if not removed
Ingestion: May cause gastrointestinal distress but too bitter to swallow
Inhalation: Fumes may irritate respiratory tract. Mist should be absolutely avoided.

(Chronic) Health Hazards: None Known

Signs and Symptoms of Exposure:

Eyes: Immediate burning
Skin: Delayed burning and slick feeling
Ingestion: Burning sensation in mouth
Inhalation: Coughing, burning sensation in mouth

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

Emergency First Aid Procedures:

Eyes: Immediately flush eyes with large amounts of water for about 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing.
Skin: Immediately flush all affected areas with large amount of running water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention.
Ingestion: DO NOT INDUCE VOMITING. Do not give anything to drink. Obtain medical attention without delay.
Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SECTION VII. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Bleach, oxidizers, alkaline materials

Hazardous Decomposition Byproducts: Hydrogen chloride vapors

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Neutralize with soda ash and mop up.

Large Spills: Pump up into plastic containers and proceed for small spills. Dike area if needed

Disposal: Meet Federal, State & Local Requirements

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in used.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

SECTION IX. CONTROL MEASURES LEL: UEL:

Respiratory Protection: NIOSH Approved

Ventilation: Normal indoor

Local Exhaust: Not normally indicated

Mechanical (General): Not normally indicated

Protective Gloves: Rubber, vinyl, impervious

Eye Protection: Face Shield

Other Protective Clothing or Equipment: Long pants, sleeves, apron

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

SECTION X. DOT INFORMATION

NOT REGULATED

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: Hydrochloric Acid

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not

S - May Be Absorbed Through Intact Skin

ND - No Data Available

Supersedes 6/26/2001