

MATERIAL SAFETY DATA SHEET

TANNIN STAIN REMOVER

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SECTION I: PRODUCT INFORMATION

TRADE NAME: TANNIN STAIN REMOVER

SUPPLIER/MANUFACTURER: Collier & Company Ltd, #6. 3135 Universal Dr. Mississauga, ON (416) 201-1010

PREPARATION DATE: November 17, 2004

PRODUCT USE: Cleaning

PRODUCT IDENTITY: Mixture

SECTION II: HAZARDOUS INGREDIENTS

Hazardous Ingredients	Approximate Concentration. %	C.A.S. N.A. or U.N. Numbers	"Exposure Limits"	LD50/LC50 Specify Species and Route
Methanol	5-10	67-56-1	TLV=200ppm (ACGIH)	n/av
Sulphamic Acid	1-5	5329-14-6	n/av	n/av
Nonionic Surfactant	1-5	9016-45-9	n/av	n/av

SECTION III: PHYSICAL DATA

ODOR AND APPEARANCE: Faint alcohol odor, water clear

PHYSICAL STATE: LIQUID

ODOR THRESHOLD: N/AV

VAPOR PRESSURE: N/AV

EVAPORATION RATE: N/AV

FREEZING POINT: N/AV

PH: 1.5-2.0

COEFFICIENT OF WATER/OIL DISTRIBUTION: N/AV

SPECIFIC GRAVITY: 1.0

VAPOR DENSITY: N/AV

BOILING POINT: 100 °C

% VOLATILE BY VOLUME: N/AV

DENSITY (g/ml): 1.0

WATER SOLUBILITY: SOLUBLE

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: Not Flammable

MEANS OF EXTINCTION: N/AP

FLASHPOINT & METHOD OF DETERMINATION: N/AP

UPPER FLAMMABLE LIMIT: N/AP

LOWER FLAMMABLE LIMIT: N/AP

AUTO-IGNITION TEMPERATURE: N/AV

HAZARDOUS COMBUSTION PRODUCTS: CO, CO2

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: N/AP

EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: N/AV

SECTION V: REACTIVITY DATA

CONDITION UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE: Stable

NAME OF ANY SUBSTANCE OR CLASS OF SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: Strong Oxidizing Agents, aluminum zinc.

CONDITIONS OF REACTIVITY: When this product is heated it may corrode some metals like aluminum or zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Skin Contact, Skin Absorption, Eye Contact, Inhalation Acute, Ingestion

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: May irritate eyes, skin, over exposure to vapors may cause coughing, shortness of breath and dizziness.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: No Known Chronic Effects

EXPOSURE LIMITS: N/AV

IRRITANCY OF PRODUCT N/AV

SENSITIZATION TO PRODUCT: N/AV

CARCINOGENITY: No Known Systemic Effects

REPRODUCTIVE TOXICITY: No Known Systemic Effects

TERATOGENICITY: No Known Systemic Effects

MUTAGENICITY: No Known Systemic Effects

NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N/AV

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SECTION VII: PREVENTATIVE & FIRST AID MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Rubber or Plastic gloves, chemical face shield and rubber apron

ENGINEERING CONTROLS: General Ventilation

PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Get personal protective equipment. Small spill, flush with water. Large spill contain with sand dykes. Neutralize carefully with limestone.

WASTE DISPOSAL: In accordance to Federal, Provincial & Municipal By-Laws

HANDLING PROCEDURES AND EQUIPMENT: Store in tightly closed containers away from heat or ignition source.

STORAGE REQUIREMENTS: Do not store in aluminum or zinc containers

SPECIAL SHIPPING INFORMATION:

SECTION VIII: FIRST AID MEASURES

IN CASE OF EYE & SKIN CONTACT: Flush skin with copious amounts of water. Flush eye with copious amounts of water. Get medical attention.

IF INHALED: Remove to fresh air and give oxygen if necessary.

IF INGESTED: Dilute with water and induce vomiting.

PHYSICIAN:

SPECIAL PRECAUTIONS

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human - system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

PREPARATION INFORMATION

PREPARED BY: Collier & Company Ltd. PHONE NUMBER: (416) 201-1010

24 HOUR EMERGENCY NUMBER: CANUTEC 1-613-996-6666

DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all expressed or implied warranties of merchantability or of liability from the use of this product. The information contained herein, as of this date, is believed to be true and accurate, but it is the user's obligation to study the MSDS and determine the conditions for the safe use of this product.
