SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity [As Used on Label and List]: Bio-Tough
Product Class: General purpose cleaner- based on renewable resources
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 651-481-1900
Manufacturer's Name and Address: Multi-Clean®
600 Cardigan Road
Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components [Specific Chemical Identity]:
Chemical Common Name(s) %
A Sodium Carbonate 1 - 5
B Plant Derived Surfactants 4 - 10
C Water 60 - 100
D Bacterial Cultures 1 - 5%

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Clear liquid, citrus-like fragrance
Primary Hazards:
Potential Health Hazards
Route(s) of Entry:
Skin Absorption: Ingestion: X Inhalation: X
Eye: May cause irritation on contact.
Skin: May cause irritation on prolonged or repeated contact.
Ingestion: May be harmful if swallowed.
Inhalation: No hazardous vapors.
Signs and Symptoms of Exposure: Irritation on direct contact.
Carcinogenicity: NTP? No IARC Monographs? No
OSHA Regulated? No
Target Organ(s): No additional data
Medical Conditions Generally Aggravated by Exposure: N. Av.
Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:
If swallowed: Do not induce vomiting. If a person can swallow, give several glasses of water. Obtain immediate medical attention.
Eye Contact: Flush eyes with running water for at least 15 minutes. Obtain medical attention.
Skin Contact: Flush with cool water. Remove and wash contaminated clothing before reuse.
Inhalation: Remove to fresh air. If irritation persists, get medical attention.
Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No Autoignition Temperature: N. Av.
Flash Point (method used): None LEL UEL
Extinguishing Media: N. Av.
Water? Foam? Water Fog?
Alcohol Foam? CO2? Dry Chemical?
Vaporizing Liquid? Other?
Special Fire Fighting Procedures: N. Av.
Unusual Fire and Explosion Hazards: N. Av.
TDG Flammability Classification: Non-flammable
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop. Absorbent material (example floor-drill or vacuum) thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:
Normal care in handling and storage.
Other Precautions:
Keep all out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection [Specify Types]: Not required
Ventilation: Local Exhaust: Not required Special: Not required
Mechanical (General): Normal good ventilation sufficient.
Other: Not required
Protective Gloves: Natural rubber or synthetic
Eye Protection: Approved safety goggles or glasses.
Footwear: Not required
Other Protective Clothing or Equipment: Not required
Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 195°F pH: 11.5 +/- 0.1
Specific Gravity (H20) = 1: 1.03 % Volatile: >80%
Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution
Solubility in Water: Complete Coefficient: N. Av.
Vapor Pressure (MM HG): N. Av.
Melting Point: N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable Stable: X
Conditions to Avoid: N. Av.
Incompatibility (materials to avoid): N. Av.
Hazardous Decomposition or By-products: N. Av.
Hazardous Polymerization: May occur: Will not occur: X
Conditions to Avoid: N. Av.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical OSHA PEL ACGIH TLV Recom. LD50 LC50
A None None None 4,000 mg/kg N. Av.
B 10mg/m3 10mg/m3 N. Av. N. Av. N. Av.
C None None N. Av. N. Av. N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.
Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminates being cleaned as well as state, federal and local sewer commission regulations.
RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound, cleaning liquid, N.O.I.
UN Number: N. Av.
Packing Group: N. Av.

SECTION XV - PREPARATION DATA

Prepared By: Ron Camp
Telephone Number: 651-481-3338
Date: 4-12

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations
TSCA Status: All ingredients listed.
CERCLA Reportable Quality: None
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: Immediate health hazard
Section 313 Toxic Chemicals: None
State Regulations
International Regulations
WHMIS Controlled Product Hazard Class: D2B

SECTION XVII - OTHER INFORMATION

None
N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM
1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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