SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Tough Green

Product Class: Neutral emulsion cleaner

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) Hazard %
A Primary Alcohol Alkoxylates 5 - 10
B Propylene Glycol n-Butyl Ether 3 - 7
C Dipropylene Glycol Monomethyl Ether 3 - 7
D Surfactant/Hydro trope (proprietary) 1 - 5
E Water 60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Clear green, liquid. Floral/citrus fragrance.

Primary Hazards: Irritant

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X

Eye: May cause irritation on contact.

Skin: May cause irritation on contact.

Ingestion: May be harmful if swallowed.

Inhalation: Overexposure to vapors may be harmful.

Signs and Symptoms of Exposure: Irritation on direct contact.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

Target Organ(s): Skin, eyes, respiratory system. Gross overexposure to vapors may affect central nervous system, liver and kidneys.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: Overexposure to Dipropylene Glycol Monomethyl Ether or its components has apparently been found to cause the following effects in laboratory animals: mild, reversible liver effects.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Inhalation: If ill effects occur from breathing vapors, remove victim to fresh air.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES


Flash Point (method used): None LEL UEL


Water? Foam? Water Fog?

Alcohol Foam? CO2? Dry Chemical?

Vaporizing Liquid? Other?


Unusual Fire and Explosion Hazards: N. Av.

TDG Flammability Classification: Non-flammable

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-dr) 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 out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required. Dust/mist mask recommended if working in heavy cleaner mists or spray.

Ventilation: Local Exhaust: Not required Mechanical (General): Ventilate to keep vapor levels below TLV & PEL, listed in Section XI.

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 212°F (100°C)

Specific Gravity (H20) = 1.00 % Volatile: > 85


Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution

Solubility in Water: Complete

Coefficient: N. Av.

Vapor Pressure (MM HG): N. Av.


SECTION X - STABILITY AND REACTIVITY

Stability: Unstable


Incompatibility (materials to avoid): N. Av.

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: May occur: Will not occur: X

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical OSHA PEL ACGIH TLV Recom. LD50 LC50
A N. Av. N. Av. N. Av. N. Av.
B None None N. Av. 3,300 mg/kg N. Av.
C 100 ppm 100 ppm N. Av. 5.6 gm/kg N. Av.
D None 10 mgM N. Av. 6,000 mg/kg N. Av.
E None None N. Av. N. Av. N. Av.

Tetragon, Mutagen, Reproductive Toxin Status: N. Av.

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: NA

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 seawered, depending on the materials and/or contaminants 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.


SECTION XV - PREPARATION DATA

Prepared By: Ron Camp

Telephone Number: 651-481-1900

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: None

Section 313 Toxic Chemicals: None

State Regulations

International Regulations

WHIMS Controlled Product Hazard Class: N/A

SECTION XVII - OTHER INFORMATION

None

N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

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

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