Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Vi-Jon Incorporated
8515 Page Avenue
Saint Louis, MO 63114

Phone: 314-427-1000
In Case of Spill Emergency Contact:
Chemtrec: 1-800-424-9300

Product Name: Lime CPC Mouthwash
Product Code: 1265
Product Use: Mouthwash
Issue Date: 06/03/2008
Supersedes Date: 4/20/2007

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Keep out of reach of children.
Appearance/Odor: Clear, lime green, liquid with a citrus lime scent and taste.

Potential Health Effects: See Section 11 for more information.

Symptoms of Exposure:

Inhalation: Low hazard. Mist may cause irritation of the respiratory tract.
Ingestion: Ingestion of large amounts may cause nausea, vomiting and diarrhea.
Eyes: May cause irritation to the eyes.
Skin: low hazard. May cause irritation to the skin.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	% by Wt.
Glycerin	56-81-5	20%

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

Inhalation: If symptoms are experience, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. If the material is swallowed, get medical attention or advice.

Skin: If irritation is experienced, wash with soap and water. If irritation persists, get medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point: Not Available
Method Used: Not Available
Auto Ignition: (Glycerin) 400°C (752°F)
Flammability Classification: Not Available

Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or appropriate foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

NFPA Rating (estimated): Health:1 Fire: 1 Reactivity:0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions: Prevent discharge to open waters.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

Methods for Clean-Up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

Section 7: HANDLING AND STORAGE

Handling: Keep away from heat, sparks and flame. Prevent contact with eyes. Avoid Ingestion and inhalation.

Storage: Keep the container tightly closed and in a cool, well ventilated place..

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Glycerin (56-81-5)
ACGIH: 10 mg/m3 TWA
OSHA: 15 mg/m3 TWA (Total Dust); 5 mg/m3 TWA (respirable fraction)

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.
Skin Protection: None needed under normal use.
Respiratory Protection: None needed under normal use.
General Hygiene Considerations: Wash hands after use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color: Clear, lime green, liquid.
Odor: Citrus lime scent and taste.
Physical State: Liquid
pH: 3.5-5
Vapor Density: 3.17 (H20=1)
Boiling Point: (Glycerin) 290°C
Vapor Pressure: (Glycerin) .0025 mm Hg @ 5
Melting Point: Not Available
Freezing Point (Glycerin) 20°F
Flash Point (see section 5)
Flammability Properties (see section 5)
Solubility (in water): Miscible
Density @ 20°C: 1.0-1.1
Evaporation Rate: Not Available
Octanol/Water partition coefficient (Kow): Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: (Glycerin) 290°C

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal ambient temperatures 70°C (21°C)

Condition to Avoid: Incompatible materials, excessive heat or sources of ignition.

Incompatible Materials: Acetic anhydride, potassium permanganate, strong acids, strong bases, caustics, isocyanates, aliphatic amines and oxidizing agents.

Hazardous Decomposition: upon decomposition, this product evolves carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: Hazardous polymerization will not occur.

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS:

A: **General Product information**

Not expected to cause irritation when used in accordance to label.

B: **Analysis LD50/LC50**

Glycerin (57-55-6)

Draize test, rabbit, eye: 126 mg Mild;
Draize test, rabbit, eye: 500 mg/24H Mild;
Draize test, rabbit, skin: 500 mg/24H Mild;
Inhalation, rat: LC50 = >570 mg/m3/1H;
Oral, mouse: LD50 = 4090 mg/kg;
Oral, rabbit: LD50 = 27 gm/kg;
Oral, rat: LD50 = 12600 mg/kg;
Skin, rabbit: LD50 = >10gm/kg

CHRONIC EFFECTS:

Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen

Neurotoxicity: No information available for product.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: No information available for product.

Target Organs: No information available for product.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: (Glycerin 57-55-6)

LC50 96 Hr. Rainbow Trout = 50-67 mg/L
12 degrees CLC50 (96 Hr.) goldfish = >5000 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

Section 14: TRANSPORTATION INFORMATION

This material is not regulated as a hazardous material for transportation.

Section 15: REGULATORY INFORMATION

Glycerin, a component if this material, is on the TSCA inventory.

The following components appear on one or more of the following state right to know lists:

Component	CAS#	CA	MA	MN	NJ	PA
Glycerin	56-81-5	No	Yes	Yes	No	Yes

Section 16: Other Information

Prepared by: Vi-Jon Inc.

Disclaimer:
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