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MATERIAL SAFETY DATA SHEET



THIS MATERIAL SAFETY DATA SHEET IS DIRECTED PRINCIPALLY TO PROCESSORS, FORMULATORS, AND USERS OF THIS MATERIAL. THE DESCRIPTION OF PHYSICAL, CHEMICAL AND TOXICOLOGICAL PROPERTIES AS WELL AS THE ADVICE ON HANDLING IS BASED ON PAST EXPERIENCE AND CURRENTLY AVAILABLE INFORMATION. IF YOU HAVE ANY QUESTIONS REGARDING THE HAZARDS ASSOCIATED WITH THE USE OF THIS MATERIAL PLEASE CONTACT THE PERSON NAMED IN SECTION I.

Issued: 12/ 5/94

MSDS # 6032.10

1. MATERIAL IDENTIFICATION

Chemical Name: Freshburst Listerine

Formula: Mixture
Process #:
W. L. ID#:
W. L. N.D.C #:
W. L. UPC #: 1254742855

MSDS #: 6032.10
Date of Issue: 12/ 5/94
Supersedes: 12/ 5/94
Revision No: NA

Manufacturing Division:
Warner-Wellcome
201 Tabor Road

PERSON TO CONTACT:
Mary Richardson
(201) 540-2000

Morris Plains, NJ 07950

MANKATO STATE UNIVERSITY
REC ROOM-MSU BX 115
WIECKING CTR PO BOX 8400
MANKATO, MN 56002-8400

=== MSDS TRACKING INFORMATION ===
MID: 1057083 LISTERINE FRESHBURST
PID: 3218444 CUST: 0154371-003
IMG: I:57083_1 PAGE: 1 of 6

PACKET: 34366-4025

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**VARNER
LAMBERT**

MSDS # 6032.10

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2. INGREDIENTS AND EXPOSURE LIMITS

INGREDIENT NAME	CAS #	PERCENT
Sorbitol Solution	50-70-4	
OSHA PEL: NA ACGIH TLV: NA Other Exposure: ND Cancer: No		
Alcohol SD38B (Ethyl Alcohol) (>20%)	64-17-5	
OSHA PEL: 1000 ppm ACGIH TLV: 1000 ppm Other Exposure: ND Cancer: No		

Comments:

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3. PHYSICAL DATA

Appearance: Clear, green solution
Odor Threshold: ND
Characteristic Odor: Mint
Physical State: Liquid
Acidity (pH) at 25°C: 3.9 - 4.5
Specific Gravity (H2O=1): ND
Boiling Point °C (760 mmHg): ND
Melting Point °C: NA
Percent Volatile by volume: ND
Water Solubility: Yes
Other Solubility: Alcohol
Vapor Pressure (@ 20°C): ND
Vapor Density (Air = 1): ND
Evaporation Rate (H2O = 1): ND
Molecular Weight: ND

Comments:

4. FIRE AND EXPLOSION DATA

FLAMMABLE LIMITS IN AIR
LEL: ND
UEL: ND

AUTOIGNITION TEMPERATURE
ND

Flash Point (Method): 94 F (Tag Closed Cap)*

Extinguishing Media: CO2, Dry Chemical, Foam, Water Spray

Special Fire Fighting Procedures: Use approved self-contained breathing apparatus.

Unusual Fire Hazards: Flammable Liquid (23% Ethyl Alcohol)

Unusual Explosion Hazards: ND

Harmful Combustion Products: Oxides of carbon

Comments: * Flash Point based on Factory Mutual Loss Prevention Data Sheet for distilleries, 7-74, 1978; Fig 3, Flash and Fire Points of Alcohol/Water Mixtures.

5. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: No

Conditions to Avoid: NA
Conditions to Avoid: NA

Chemical Incompatibilities: ND

MANKATO STATE UNIVERSITY
Not Applicable
300-MSU BX 115
WIECKING CTR PO BOX 8400
MANKATO, MN 56002-8400

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Comments: Under labeled storage conditions,
this product is stable and hazardous
polymerization should not occur.

6. HEALTH HAZARD INFORMATION

TOXICITY INFORMATION:

This information pertains to the following ingredient(s) individually and not to the product as marketed. Included will be any data which emphasize the potential effects that may occur with the occupational handling (by inhalation or by dermal or ocular contact) of this product. Refer to package insert for further information.

ETHYL ALCOHOL:

Rat Oral LD50: 7060 mg/kg. Mouse oral LD50: 3450 mg/kg. Rat inhalation LC10: 20000 ppm/10 hr. Rabbit dermal LC10: 20000 mg/kg.

In humans, exposure to more than 1000 ppm may cause headache and irritation of eyes, nose, and throat; if prolonged, may also cause drowsiness, lassitude, loss of appetite and inability to concentrate. Above 5000 ppm, exposure may cause eye and mucous membrane irritation, stupor, fatigue, and sleepiness. A skin and eye irritant in rabbits. Although unlikely to occur through occupational exposure, ingestion may result in gastrointestinal disturbances, nausea and vomiting.

SORBITOL SOLUTION:

Rat Oral LD50: 15900 mg/kg. Mouse Oral LD50: 17800 mg/kg.

Dose-dependent irritation of the stomach was the only effect noted in long-term animal studies with doses of 0.5 to 3 g/kg/day. In humans, large doses have a laxative effect. A 70% solution did not induce skin or eye irritation and was not a sensitizer.

EFFECTS OF OCCUPATIONAL OVEREXPOSURE:

Comments:

7. FIRST AID PROCEDURES

THERAPEUTIC CLASS: Oral Anti-bacterial Rinse

Eyes: Flush with water for 15 minutes.

Skin: Wash with soap and water until free of residue.

Inhalation: Remove to fresh air; seek medical attention.

Ingestion: Seek medical attention.

Other: For additional first aid information, call (201) 540-2000.

Comments:

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REC ROOM-MSU BX 115

WIECKING CTR PO BOX 8400

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8. WORKPLACE PRECAUTIONS / CONTROLS

Handling/Storage Precautions: STORE AS STATED IN PRODUCT LABELING. Material should be handled in such a way as to avoid eye and skin contact. Should contact occur, wash contaminated skin promptly. Launder contaminated clothes and wash contaminated equipment before reuse.

Ventilation:

PERSONAL PROTECTIVE EQUIPMENT

Respirator:
Eye Protection:
Gloves:

Work Practices:

Other Use Precautions:

Comments:

9. SPILL & LEAK / ENVIRONMENT / SHIPPING

Procedures for Spill or Leak: Wipe or mop up spilled material. Wash all contaminated surfaces. Place waste in appropriate container for future disposal.

Waste Management/Disposal: Dispose of in accordance with local, state and federal regulations or the authority having jurisdiction. Incineration in a permitted incinerator is the preferred disposal method.

SHIPPING REQUIREMENTS AND LIMITATIONS:

ID/UN No: NA
NA Number:
DOT Hazard Class: NA
DOT Shipping Name: Non-regulated
DOT Labels/Placards: NA

Packaging Group: NA
Marking: NA
Container Specifications: NA
Shipping Limitations: NA

Storage Area Temperature Requirements:

Comments:

10. LABELS / SUPPLEMENTARY / OTHER REGULATORY

MANKATO STATE UNIVERSITY
NA - Not Applicable
ND - No Data Found
RECEPTION ROOM-MSU BX 115
WIECKING CTR PO BOX 8400
MANKATO, MN 56002-8400

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Hazard Communication Labels: NA

SARA Hazard Classification(s): NA

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