

**Material Safety Data Sheet**

Date Printed 10/28/1999

Reviewed on 10/28/1999

**\* 1 Substance Identification****Product Name:** Listerine Antiseptic**Synonyms:** MSDS #: WW017F07**Manufacturer/Supplier:**

Warner-Lambert  
201 Tabor Road  
Morris Plains, New Jersey 07950  
USA

**Further information available from:**

Corporate Safety and Industrial Hygiene  
1-973-540-2000

**Additional Information:**

This Material Safety Data Sheet conforms to 91/155/EEC and 93/112/EEC.

**\* 2 Composition/Data on Ingredients****Chemical Characterization:****Dangerous Components:**

64-17-5 ethanol 26.9 %  
F; R 11

**\* 3 Hazards Identification****Hazard Description:**

Xi Irritant

**W-L Occupational Hazard Labels:**

Adverse Nervous System Effects  
Flammable  
Eye and Respiratory Irritant

**Information for Consumer Use:**

Use only as directed by product packaging.  
If the symptoms being treated persist, or other symptoms develop,  
discontinued use and consult a physician.

**European Risk Phrases:**

R 10 Flammable.  
R 36/37 Irritating to eyes and respiratory system.

**Classification System:**

The information in this data sheet is consistent with current EU  
regulations and has been expanded by internal Warner-Lambert labeling.

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Product Name: Listerine Antiseptic

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## NFPA Ratings (scale 0-4):



Health = 1  
Fire = 3  
Reactivity = 0

## Additional Information:

If you do not understand the hazards or safety precautions described in this data sheet, contact the Warner-Lambert Company before handling this product.

## HMIS Hazard Rating:

Health - 1 (slight)  
Flammability - 3 (serious)  
Reactivity - 0 (minimal)  
PPE - (see section 8)

## \* 4 First Aid Measures

## Eye Contact:

In case of accidental contact, immediately flush eyes with water. Hold eyelids open to ensure adequate flushing. Get medical assistance if irritation or other symptoms develop.

## Skin Contact:

In case of accidental contact, immediately remove contaminated clothing and wash affected area with soap and water. Get medical assistance if irritation or other symptoms develop.

## Ingestion:

In case of accidental ingestion, administer 1-2 glasses of milk or water to dilute ingested material. Get medical assistance if irritation or other symptoms develop.

## Inhalation:

Remove victim to fresh air. Get medical assistance if irritation or other symptoms develop.

## \* 5 Fire Fighting Measures

## Suitable Extinguishing Agents:



CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

## Fire Hazards:

Flammable

Vapors are heavier than air and may travel to an ignition source and flash back.

Vapors may form explosive mixtures with air.

In case of fire, the following can be released:

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

Hydrogen cyanide (HCN)

Control ignition sources in areas where this material is present.

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**Protective Equipment:**

Wear appropriate protective equipment, including self contained breathing apparatus (SCBA), during all fire fighting activities.

**6 Accidental Release Measures****Measures for Environmental Protection:** No special measures required.**Measures for Cleaning/Collecting:**

Collect small spills with a clean towel or mop.  
Place waste in an appropriate container for disposal.

**\* 7 Handling and Storage****Handling:**

Manufacturing operations may require special handling procedures to limit exposure to this material or its ingredients.  
Contact your supervisor or safety administrator for more information.  
Handle as directed by product packaging.

**Storage:**

Store as directed by product packaging.  
Keep away from heat, sparks, and open flames.

**8 Exposure Controls and Personal Protection****Engineering Controls:**

Manufacturing operations may require the use of engineering controls to limit exposure to this material or its ingredients.  
Contact your supervisor or safety administrator for more information.  
Ensure that emergency eyewash and shower facilities are available.

**Occupational Exposure Limits:**

64-17-5 ethanol  
ACGIH TLV: STEL: 1880, A4 mg/m<sup>3</sup>, 1000, A4 ppm  
NIOSH REL: STEL: 1900 mg/m<sup>3</sup>, 1000 ppm  
OSHA PEL: STEL: 1900 mg/m<sup>3</sup>, 1000 ppm

**Personal Protective Equipment:**

Manufacturing operations may require the use of personal protective equipment to limit exposure to this material or its ingredients.  
Contact your supervisor or safety administrator for more information.

**\* 9 Physical and Chemical Properties****Form:** Liquid**Color:** Yellow**Odor:** Product specific

	Value/Range	Unit	Method
<b>Flash Point:</b>	33	° C	
<b>Ignition Temperature:</b>	(ethanol) 425.0	° C	
<b>Explosive Limits:</b>			
<b>Lower:</b>	(ethanol) 3.3	Vol %	
<b>Upper:</b>	(ethanol) 19	Vol %	
<b>Density:</b>	at 20 ° C	0.967	g/cm <sup>3</sup>

**Solubility:**

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**Water:** Soluble  
**Alcohols:** Soluble**pH-value:** at 20 ° C 4.3**10 Stability and Reactivity****Stability:** This material is stable under normal conditions of use.**Dangerous Reactions:** No dangerous reactions known**Hazardous Decomposition Products:**  
No dangerous decomposition products known**11 Toxicological Information****Acute/Subacute Toxicity:**  
64-17-5 ethanol  
Oral: LD50: 7060 mg/kg (rat)  
Inhalation: LC50: 20000 mg/l (rat)**Irritation Effects:**  
**Eye Irritation:** Moderate eye irritant.**Skin Irritation:** Not a skin irritant.**Respiratory Irritation:** Moderate respiratory irritant.**Sensitization:** Not a sensitizer.**Other Toxicological Effects:**  
Occupational exposure to ethyl alcohol has not been associated with an increased risk of cancer or congenital malformations.**12 Ecological Information****General Notes:** Generally not hazardous for water.**\* 13 Disposal Considerations****Disposal:**  
Waste materials may be classified as hazardous waste due to the low flashpoint.  
Dispose of waste in accordance with all applicable laws and regulations.**\* 14 Transport Information****DOT regulations:**  
**Hazard Class:** ORM-D  
**Proper Shipping Name:** Consumer Commodity  
**Packaging Requirements:** Consult 49 CFR regulations for consumer commodity provisions.**Shipping Limitations:**  
Utilize Consumer Commodity ORM-D for surface transport only.  
**Exceptions:** No additional exceptions.**Land transport ADR/RID (cross-border):**(Contd. on page 5)  
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**Product Name: Listerine Antiseptic**

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**ADR/RID Class:** 3 Flammable liquids  
**Item:** 31c  
**Danger Code (Kemler):** 30  
**UN-Number:** 1170  
**Description of goods:** 1170 Ethanol solution (Ethyl alcohol solution)  
**Remarks:** Consult ADR/RID regulations for limited quantity provisions.

**Maritime Transport IMDG:**

**IMDG Class:** 3.3  
**Page:** 3337-1  
**UN Number:** 1170  
**Packaging Group:** III  
**EMS Number:** 3-06  
**MFAG:** 305  
**Marine Pollutant:** No  
**Proper Shipping Name:** Ethanol solution (Ethyl alcohol solution)  
**Remarks:** Consult IMDG regulations for limited quantity provisions.

**Air Transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** 3  
**UN/ID Number:** 1170  
**Packaging Group:** III  
**Proper Shipping Name:** Ethanol solution (Ethyl alcohol solution)  
**Remarks:**  
Under certain conditions, this product may be shipped as:  
ID 8000, Consumer Commodity (Class 9)  
Consult IATA regulations for consumer commodity provisions.

**\* 15 Regulatory Information**

**European Regulations:**  
**Hazard Symbols:**



Xi Irritant

**Risk phrases:**

10 Flammable.  
36/37 Irritating to eyes and respiratory system.

**Safety phrases:**

7 Keep container tightly closed.  
16 Keep away from sources of ignition - No smoking.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
36 Wear suitable protective clothing.

**European National Regulations:****Water Hazard Class:** Generally not hazardous for water.**United States Regulations:**

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**OSHA Hazard Communication Labels:**

Eye and Respiratory Irritant  
Adverse Nervous System Effects  
Flammable

**Canadian Regulations:**

**WHMIS Classification:**

Class B, Division 2 (flammable liquid)  
Class D, Division 2, Subdivision B

**16 Other Information**

**Department issuing MSDS:** Corporate Safety and Industrial Hygiene

**Contact:**

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+1-973-385-2000

**Disclaimer:**

The information included in this data sheet is based on currently available scientific information and is accurate and reliable to the best of our knowledge. Warner-Lambert makes no other warranties, expressed or implied, and assumes no responsibility or liability for injury or damage caused by the material if reasonable safety procedures are not followed as specified in this data sheet.

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