



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Pfizer Consumer Healthcare
Pfizer Inc
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Emergency telephone +1-973-385-2000
Hours of operation 24 hours

Product name **Advanced Listerine with Tartar Protection**
Therapeutic use Mouthwash
Description Clear liquid

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Eucalyptol	470-82-6	0.092%
Menthol*	89-78-1	0.043%
Methyl salicylate*	119-36-8	0.066%
Thymol*	89-83-8	0.064%
Alcohol*	64-17-5	21.6%
Sorbitol solution	50-70-4	Trade secret
Flavoring	Not assigned	Trade secret
Poloxamer 407	9003-11-6	Trade secret
Benzoic Acid*	65-85-0	Trade secret
Zinc Chloride*	7646-85-7	Trade secret
Sodium benzoate	532-32-1	Trade secret
Sucralose	56038-13-2	Trade secret
Sodium saccharin USP*	128-44-9	Trade secret
FD & C Blue No. 1	3844-45-9	Trade secret
Purified water	7732-18-5	Trade secret

*Hazardous

Note: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

SECTION 3 - HAZARDS IDENTIFICATION

Signal word **WARNING!**

SECTION 3 - HAZARDS IDENTIFICATION ... continued

Statements of hazard	FLAMMABLE! MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION THIS PRODUCT CONTAINS ETHANOL WHICH CAN CAUSE LIVER CHANGES, CENTRAL NERVOUS SYSTEM EFFECTS, AND BIRTH DEFECTS IN THE DEVELOPING FETUS
Eye effects	May cause eye irritation.
Skin effects	May cause transient skin irritation.
Inhalation effects	Exposure to high concentrations may cause irritation, headache, drowsiness, and symptoms of alcohol intoxication. An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).
Ingestion effects	Ingestion of large quantities may cause headache, dizziness, nausea, vomiting, diarrhea, dehydration, and symptoms of alcohol intoxication.
Other potential health effects	Chronic ingestion of ethanol has been associated with an increased incidence of cancer, liver cirrhosis, and, if ingested during pregnancy, congenital malformations.
Additional data	For a more detailed discussion of potential health hazards and toxicity see Section 11.
NOTE:	This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

SECTION 4 - FIRST AID MEASURES

Eyes	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Skin	Remove contaminated clothing and shoes. Wash skin with soap and water. If irritation occurs or persists, get medical attention.
Inhalation	Remove to fresh air. If discomfort persists, get medical attention.
Ingestion	Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Seek medical assistance if symptoms occur or persist.

SECTION 5 - FIRE FIGHTING MEASURES

General hazard	Flammable liquid. Vapors are heavier than air and can travel to a source of ignition and flash back.
Fire fighting instructions	Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.
Extinguishing media	Dry chemical, carbon dioxide, water spray or alcohol-resistant foam
Flash point	30°C (85°F)
Hazardous combustion products	Carbon dioxide, carbon monoxide, and oxides of nitrogen.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General	Review Sections 3, 8 and 12 before proceeding with clean up.
Small spill	Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.
Large spill	Collect spill with a non-combustible absorbent material. Transfer all waste to a labeled container and move it to a secure holding area.

SECTION 7 - HANDLING AND STORAGE

General handling	Use appropriate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.
Storage conditions	Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat, sparks, flame, and other sources of ignition.
Temperature range for storage	59-77°F

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits			
<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Alcohol	ACGIH	TWA-8 Hr	1000 ppm
	OSHA	TWA-8 Hr	1000 ppm
Ventilation	Good general ventilation should be sufficient to control airborne levels. Local and general ventilation should be used as necessary, when handling this material in bulk.		
Eye protection	Wear safety glasses or goggles if eye contact is possible.		
Skin protection	Wear protective clothing when working with large quantities.		

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ... continued

Hand protection	Wear protective gloves when working with large quantities.
Respiratory protection	If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Liquid
Color	Clear
Molecular weight	Mixture
Molecular formula	Mixture
pH	4.2 at 20°C
Melting point	Not applicable
Water solubility	Soluble

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions of use.
Conditions to avoid	Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity).
Incompatibilities	Strong oxidizing agents and strong inorganic acids.
Hazardous polymerization	Will not occur

SECTION 11 - TOXICOLOGY INFORMATION

Toxicology summary	There are no data for this formulation. The information included in this section describes the potential hazards of the individual ingredients.
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Acute toxicity

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Result</u>
Menthol	Irritation	Ocular	Rabbit	Severe
Methyl salicylate	LD ₅₀	Oral	Rat	887 mg/kg
	Irritation	Ocular	Guinea Pig	Severe
	Irritation	Dermal	Guinea Pig	Severe
Thymol	LD ₅₀	Oral	Rat	980 mg/kg
	Irritation	Dermal	Rabbit	Corrosive
Alcohol	Irritation	Ocular	Rabbit	Severe
	LC50	Inhalation	Rat	20,000 mg/L

SECTION 11 - TOXICOLOGY INFORMATION ... continued

Eye	See Toxicology summary.
Skin	See Acute toxicity table.
Inhalation	High vapor concentrations may cause drowsiness and irritation.
Ingestion	See Acute toxicity table. Based on components, ingestion of large amounts may cause headache, dizziness, nausea, vomiting, diarrhea, dehydration, and symptoms of alcohol intoxication.
Mutagenicity	Not determined for this product.
Subchronic effects	Not determined for this product.
Chronic toxicity	Chronic ingestion of ethanol has been associated with an increased incidence of cancer, liver cirrhosis, and congenital malformations. However, occupational handling of this product is not expected to result in relevant exposures.
Reproductive effects	Not determined for this product.
Teratogenicity	Developmental effects have been reported in humans and experimental animals given large doses of ethanol during pregnancy. However, occupational handling of this product is not expected to result in relevant exposures.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental overview	The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.
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SECTION 13 - DISPOSAL INFORMATION

Disposal procedure	Observe all local and national regulations when disposing of this material. Waste materials may be classified as hazardous due to the low flash point.
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SECTION 14 - TRANSPORTATION INFORMATION

General shipping instructions	Aqueous products containing ethanol at 24 percent or less are not subject to the requirements of the EU ADR, IATA, or IMDG. They are similarly exempt from US DOT requirements provided that they contain no less than 50 percent water.
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SECTION 15 - REGULATORY INFORMATION

EU Classification	Irritant
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SECTION 15 - REGULATORY INFORMATION ... continued

EU Labelling**Xi****EU Label Pictogram(s)****Risk phrases**

R10 - Flammable.

R36 - Irritating to eyes.

Safety phrases

S2 - Keep out of reach of children.

S7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WHMIS Classification

Class B, Division 2

Class D, Division 2, Subdivision B

SECTION 16 - OTHER

Disclaimer

Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without a warranty of any kind, expressed or implied.