

ATTN: Karen  
MSDS  
Dental



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Pfizer Consumer Healthcare	Emergency telephone	+1-973-385-2000
Pfizer Inc	Hours of operation	24 hours
201 Tabor Road		
Morris Plains, New Jersey 07950		

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!

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**SECTION 3 - HAZARDS IDENTIFICATION ... continued**

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<b>Statements of hazard</b>	<b>FLAMMABLE!</b>  <b>MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION</b>  <b>THIS PRODUCT CONTAINS ETHANOL WHICH CAN CAUSE LIVER CHANGES, CENTRAL NERVOUS SYSTEM EFFECTS, AND BIRTH DEFECTS IN THE DEVELOPING FETUS</b>
<b>Eye effects</b>	May cause eye irritation.
<b>Skin effects</b>	May cause transient skin irritation.
<b>Inhalation effects</b>	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).
<b>Ingestion effects</b>	Ingestion of large quantities may cause headache, dizziness, nausea, vomiting, diarrhea, dehydration, and symptoms of alcohol intoxication.
<b>Other potential health effects</b>	Chronic ingestion of ethanol has been associated with an increased incidence of cancer, liver cirrhosis, and, if ingested during pregnancy, congenital malformations.
<b>Additional data</b>	For a more detailed discussion of potential health hazards and toxicity see Section 11.
<b>NOTE:</b>	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.

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**SECTION 4 - FIRST AID MEASURES**

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<b>Eyes</b>	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
<b>Skin</b>	Remove contaminated clothing and shoes. Wash skin with soap and water. If irritation occurs or persists, get medical attention.
<b>Inhalation</b>	Remove to fresh air. If discomfort persists, get medical attention.
<b>Ingestion</b>	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.

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## SECTION 5 - FIRE FIGHTING MEASURES

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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.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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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.

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## SECTION 7 - HANDLING AND STORAGE

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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

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 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.

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

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<b>Hand protection</b>	Wear protective gloves when working with large quantities.
<b>Respiratory protection</b>	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.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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

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**SECTION 10 - STABILITY AND REACTIVITY**

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

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**SECTION 11 - TOXICOLOGY INFORMATION**

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

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

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**SECTION 11 - TOXICOLOGY INFORMATION** ... continued

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<b>Eye</b>	See Toxicology summary.
<b>Skin</b>	See Acute toxicity table.
<b>Inhalation</b>	High vapor concentrations may cause drowsiness and irritation.
<b>Ingestion</b>	See Acute toxicity table. Based on components, ingestion of large amounts may cause headache, dizziness, nausea, vomiting, diarrhea, dehydration, and symptoms of alcohol intoxication.
<b>Mutagenicity</b>	Not determined for this product.
<b>Subchronic effects</b>	Not determined for this product.
<b>Chronic toxicity</b>	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.
<b>Reproductive effects</b>	Not determined for this product.
<b>Teratogenicity</b>	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.

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**SECTION 12 - ECOLOGICAL INFORMATION**

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<b>Environmental overview</b>	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**

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<b>Disposal procedure</b>	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**

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<b>General shipping instructions</b>	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**


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<b>EU Classification</b>	Irritant
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**SECTION 15 - REGULATORY INFORMATION** ... continued

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<b>EU Labelling</b>	<b>Xi</b>
<b>EU Label Pictogram(s)</b>	
<b>Risk phrases</b>	R10 - Flammable. R36 - Irritating to eyes.
<b>Safety phrases</b>	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.
<b>WHMIS Classification</b>	Class B, Division 2 Class D, Division 2, Subdivision B

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**SECTION 16 - OTHER**

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**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.