



MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Pfizer Inc
Pfizer Pharmaceuticals Group
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+00 44 (0)1304 616161

Emergency telephone number:
CHEMTREC (24 hours): 1-800-424-9300
Contact E-Mail: pfizer-MSDS@pfizer.com

Emergency telephone number:
ChemSafe (24 hours): +44 (0)208 762 8322

Material Name: Hydrogen Peroxide 3 % Liquid, Antiseptic

Trade Name: Hydrogen Peroxide Topical Solution, 3%
Chemical Family: Mixture
Intended Use: Pharmaceutical product used as antiseptic, disinfectant.

2. HAZARDS IDENTIFICATION

Appearance: Clear, colorless liquid
Signal Word: WARNING

Statement of Hazard: Causes eye irritation.

Additional Hazard Information:

Short Term: May cause respiratory tract irritation. May be harmful if swallowed. (based on components) .
EU Indication of danger: Not classified

Australian Hazard Classification (NOHSC): Non-Hazardous Substance. Non-Dangerous Goods.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	Classification	%
Hydrogen peroxide, 35%	7722-84-1	231-765-0	C;R34 O;R8	3

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Ingredient	CAS Number	EU EINECS/ELINCS List	Classification	%
Purified water	7732-18-5	231-791-2	Not Listed	*

Additional Information: * Proprietary
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.

Skin Contact: Remove clothing and wash affected skin with soap and water. If irritation occurs or persists, get medical attention.

Ingestion: Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

Hazardous Combustion Products: Not applicable

Fire Fighting Procedures: During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

Fire / Explosion Hazards: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.

Measures for Environmental Protections: Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7. HANDLING AND STORAGE

General Handling: Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling.

Storage Conditions: Store as directed by product packaging.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to available public information for specific member state Occupational Exposure Limits.

Hydrogen peroxide, 35%

ACGIH Threshold Limit Value (TWA)	= 1 ppm TWA
Australia TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Austria OEL - MAKs	= 1 ppm MAK = 1.4 mg/m ³ MAK
Belgium OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Bulgaria OEL - TWA	= 1.5 mg/m ³ TWA
Czech Republic OEL - TWA	= 1 mg/m ³ TWA
Denmark OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Estonia OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Finland OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
France OEL - TWA	= 1 ppm VME = 1.5 mg/m ³ VME
Greece OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Ireland OEL - TWAs	= 1 ppm TWA = 1.5 mg/m ³ TWA
Lithuania OEL - TWA	= 1 ppm IPRV = 1.4 mg/m ³ IPRV
Netherlands OEL - TWA	= 1 ppm MAC = 1.4 mg/m ³ MAC
OSHA - Final PELs - TWAs:	= 1 ppm TWA = 1.4 mg/m ³ TWA
Poland OEL - TWA	= 1.5 mg/m ³ NDS
Portugal OEL - TWA	= 1 ppm TWA
Slovakia OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Slovenia OEL - TWA	= 1 ppm TWA = 1.4 mg/m ³ TWA
Spain OEL - TWA	= 1 ppm VLA-ED = 1.4 mg/m ³ VLA-ED
Sweden OEL - TWAs	= 1 ppm LLV = 1.4 mg/m ³ LLV

Engineering Controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

Personal Protective Equipment:

Hands:	Wear impervious gloves.
Eyes:	Wear safety glasses or goggles if eye contact is possible.
Skin:	Wear impervious protective clothing to prevent skin contact.
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.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Liquid	Color:	Colorless
Odor:	Ozone-like	Molecular Formula:	Mixture
Molecular Weight:	Mixture		
Solvent Solubility:	Soluble: Alcohol Ether		
Solubility:	Soluble: Water		

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Oxidizing Properties: Hydrogen peroxide is an oxidizer which liberates oxygen on contact with tissues. However, the oxidizing properties of the 3% solution are considerably lower than those of the pure compound.

Conditions to Avoid: Avoid light, heat, freezing conditions and sources of ignition.

Incompatible Materials: Alkalies, ammonias, and their carbonates.

Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

General Information: The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

Hydrogen peroxide, 35%

Rat Oral LD50 1232 mg/kg
Rat Inhalation LC50 4h 2000 mg/m³

Irritation / Sensitization: (Study Type, Species, Severity)

Hydrogen peroxide, 35%

Skin Irritation Rabbit Corrosive
Eye Irritation Rabbit Corrosive
Skin Sensitization Guinea Pig Negative

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Hydrogen peroxide, 35%

8 Week(s) Rat Oral 1.5 % LOAEL Dental

Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Hydrogen peroxide, 35%

Prenatal & Postnatal Development Rat Oral 2 % NOAEL Not teratogenic

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

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Hydrogen peroxide, 35%

Bacterial Mutagenicity (Ames) *Salmonella* Positive
Chromosome Aberration *In Vitro* Human Positive
Chromosome Aberration Mouse Bone Marrow Negative
Sister Chromatid Exchange *In Vitro* Human Positive

Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

Hydrogen peroxide, 35%

IARC: Group 3

12. ECOLOGICAL INFORMATION

Environmental Overview: The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Hydrogen peroxide, 35%

Daphnia Magna EC50 7.7 mg/L

Algae LC50 0.85 mg/L

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered.

14. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

EU Indication of danger: Not classified

OSHA Label:

WARNING

Causes eye irritation.

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Canada - WHMIS: Classifications

WHMIS hazard class:
Class D, Division 2, Subdivision B



Hydrogen peroxide, 35%

CERCLA/SARA - Section 302 Extremely Hazardous TPQs	= 1000 lb TPQ	concentration >52%
CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	= 1000 lb EPCRA RQ	concentration >52%
Inventory - United States TSCA - Sect. 8(b)	Present	
Australia (AICS):	Present	
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 5	
	Schedule 6	
EU EINECS/ELINCS List	231-765-0	

Purified water

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	231-791-2

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R 8 - Contact with combustible material may cause fire.
R34 - Causes burns.

Data Sources: Safety data sheets for individual ingredients. Publicly available toxicity information.

Prepared by: Toxicology and Hazard Communication
Pfizer Global Environment, Health, and Safety

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End of Safety Data Sheet