


# SAFETY DATA SHEET (SDS)

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	6% Hydrogen Peroxide
Commercial Name / Description:	QT Peroxy-Pure: 6% Hydrogen Peroxide & 94% WFI Quality Water
Product Code:	QT45XX
Product Configuration:	Bag In Bottle Dispenser, Screw Cap Bottles
Manufacturer Name:	QUANTUMTEC (A Life Science Solutions Division of PMA Manufacturing Sdn. Bhd.)
Product Use:	Industrial, Manufacturing and/or Laboratory Use
Address:	11, Lintang Beringin 3, Diamond Valley, 11960 Bayan Lepas, Penang, Malaysia.
General Phone No.:	+604-6265518
Emergency Contact No.:	+604-6265518
Email Address:	<a href="mailto:davin@pma-asia.com">davin@pma-asia.com</a> ; <a href="mailto:aidakhaw@pma-asia.com">aidakhaw@pma-asia.com</a>

## SECTION 2: HAZARD(S) IDENTIFICATION

OSHA Hazards:	Irritant
GHS Pictograms:	
Signal Word:	Danger
GHS Classifications:	Skin Irritation – Category 2 Eye Damage – Category 1
GHS Label Elements, Including Precautionary Elements (The code refers to GHS Standard)	
Hazard Statement:	H318 – Causes serious eye-damage
	H315 – Causes skin irritation
Precautionary Statements:	P264 – Wash hands thoroughly after handling.
	P302 + P352 – IF ON SKIN : Wash with plenty of water.
	P332 + P313 – If skin irritation occurs: Get medical advice / attention.

	P280 - Wear protective gloves, protective clothing, eye protection and face protection.
	P362 + P364 – Take off contaminated clothing and wash it before reuse.
	P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice/attention.
Emergency Overview:	DANGER! Irritant.
Route of Exposure:	Eyes and Skin
Potential Health Effects:	<b>Eye:</b> May cause serious irritation.
	<b>Skin:</b> Irritating to skin. Contact causes redness, burns, itching and pain. Prolonged or repeated skin exposure may cause dermatitis.
	<b>Inhalation:</b> Irritating to the respiratory system. Causes irritation to the respiratory tract.
	<b>Ingestion:</b> Causes irritation and pain.
Chronic Health Effects:	Prolonged or repeated contact may cause skin irritation.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	None generally recognized.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	w/v (Weight by Volume)	Formula
Hydrogen Peroxide	7722-84-1	6%	H <sub>2</sub> O <sub>2</sub>
Water	7732-18-5	94%	H <sub>2</sub> O

### SECTION 4: FIRST-AID MEASURES

Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower, and using soap. If skin irritation occurs: Get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call POISON CONTROL CENTER or doctor/physician if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting. If conscious, wash out mouth with water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## SECTION 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media	Product is not flammable. There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Special protective equipment and precautions for firefighters	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Specific hazards arising from the chemical	None known
NFPA Ratings:	NFPA Health: 2 NFPA Flammability: 0 NFPA Reactivity: 0 Specific Hazard: Not available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection:	See Section 8 for recommendations on the use of personal protective equipment.
Environmental Precautions:	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.
Methods for Containment and Clean-Up.	Soak up with an inert absorbent material and containerize for disposal. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal.

## SECTION 7: HANDLING AND STORAGE

Handling:	Use only in accordance with directions. See section 8 for recommendations on the use of personal protective equipment.
Storage:	Store in a cool, dry, well-ventilated area. Store in dark, and keep container tightly closed when not in use. Long term storage is not recommended.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Face Protection:	Use chemical goggles.																		
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data. Nitrile or Neoprene gloves will be suitable. Apron or other protective clothing appropriate based on risk of exposure.																		
Respiratory Protection:	If subjected to concentration above exposure limit, use an approved certified respirator.																		
Other Protective:	Not available																		
EXPOSURE GUIDELINES:	<table border="1"> <thead> <tr> <th>Component</th> <th>Exposure Limits</th> <th>Basis</th> <th>Entity</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Hydrogen Peroxide</td> <td>1 ppm</td> <td>TLV</td> <td>ACGIH</td> </tr> <tr> <td>1.4 mg/m<sup>3</sup></td> <td>REL</td> <td>OSHA</td> </tr> <tr> <td>1 ppm</td> <td>REL</td> <td>NIOSH</td> </tr> <tr> <td></td> <td>1.4 mg/m<sup>3</sup></td> <td></td> <td></td> </tr> </tbody> </table> <p>TWA: Time Weighted Average over 8 hours of work. TLV: Threshold Limit Value over 8 hours of work. REL: Recommended Exposure Limit PEL: Permissible Exposure Limit STEL: Short Term Exposure Limit during x minutes. IDLH: Immediately Dangerous to Life or Health WEEL: Workplace Environmental Exposure Levels CEIL: Ceiling</p>	Component	Exposure Limits	Basis	Entity	Hydrogen Peroxide	1 ppm	TLV	ACGIH	1.4 mg/m <sup>3</sup>	REL	OSHA	1 ppm	REL	NIOSH		1.4 mg/m <sup>3</sup>		
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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State Appearance:	Clear, colorless liquid
Odor:	No odour
Odor Threshold:	Not Applicable
Boiling Point:	No information available
Melting Point:	No information available
Specific Gravity:	1.0218 (Water = 1.0)
Solubility:	Completely soluble in water
Vapor Density:	No information available
Vapor Pressure:	No information available

**SECTION 10: STABILITY AND REACTIVITY**

Chemical Stability:	Stable
Hazardous Decomposition products:	Hazardous decomposition does not occur.
Conditions to Avoid:	Store out of direct light
Incompatible Materials:	Brass, copper, powdered metals, iron and iron salts, combustible materials.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity:	No acute toxicity observed.
Carcinogenicity:	IARC: 3-Group 3 : Not Classifiable as to its carcinogenicity to humans (hydrogen peroxide) ACGIH: A3 : Confirmed animal carcinogen with unknown relevance to humans (hydrogen peroxide) OSHA : No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Signs and Symptoms of Exposure:	Skin : Redness, burning, itching and pain. Eyes : Eye burns, pain, watering eyes Respiratory : Coughing, shortness of breath, burning, wheezing, laryngitis, headache or nausea. Ingestion : Causes irritation and pain.
Toxicity:	No information available

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity:	No information available
Environmental Fate:	No information available
Bioaccumulation:	No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste Disposal:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residue.
Product Containers	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

**SECTION 14: TRANSPORT INFORMATION**

US DOT:	Not Dangerous Goods
TDG:	Not Dangerous Goods
IMDG:	Not Dangerous Goods
Marine pollutant:	Not Dangerous Goods
UN Number	Not Dangerous Goods
IATA/ICAO	Not Dangerous Goods

**SECTION 15: REGULATORY INFORMATION**

TSCA Inventory Status:	All ingredients are listed on the TSCA inventory
DSCL (EEC):	All ingredients are listed on the TSCA inventory
California Proposition 65	Not Listed
SARA 302	Not Listed
SARA 304	Not Listed
SARA 311	Acute Health Hazard
SARA 312	Acute Health Hazard
SARA 313	Not Listed
WHMIS Canada	Not Listed

**SECTION 16: ADDITIONAL INFORMATION**

HMIS Ratings:	HMIS Health Hazard: 2	HMIS Fire Hazard: 0	NFPA Reactivity: 0	HMIS Personal Protection: Not Available
M/SDS Creation Date:	17 Dec 2019			
M/SDS Revision Date:	20 Jun 2023			

*Disclaimer:*

*The contents in this Safety Data Sheet are correct to our knowledge at the date of its creation. However, neither the above-named supplier assumes any liability whatsoever for the accuracy or completeness of the information contained. Data herein relates to the specific material designated herein and does not relate to the use in combination with other material or in any process. Final determination of suitability of any material is the sole responsibility of the user.*