


SAFETY DATA SHEET (SDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name/ Commercial Name:	QT Peroxy-Pure: 3% Hydrogen Peroxide Solution
Product Code:	QT4525
Product Configuration:	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:	pmasales@pma-asia.com

SECTION 2: HAZARD(S) IDENTIFICATION

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:	Eye: May cause serious irritation.
	Skin: Irritating to skin. Contact causes redness, burns, itching and pain. Prolonged or repeated skin exposure may cause dermatitis.
	Inhalation: Irritating to the respiratory system. Causes irritation to the respiratory tract.
	Ingestion: 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	3%	H ₂ O ₂
Water for Injection (WFI)	7732-18-5	97%	H ₂ 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. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use flooding quantities of water to cool unopened containers.
Special protective equipment and precautions for firefighters	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

NFPA Ratings:	NFPA Health: 2 NFPA Flammability: 0 NFPA Reactivity: 0 Specific Hazard: Not available.
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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.	Neutralize spill with sodium bicarbonate or lime. Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

SECTION 7: HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and fumes. 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 away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Store in dark, and keep container tightly closed when not in use. Keep away from aldehydes, halogenated organics, halogens, strong acids, and strong oxidizers. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Face Protection:	Safety glasses with side shields must be worn at all times. If splash hazard exists, wear chemical splash goggles and/or face shield.														
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data. Nitrile or Neoprene gloves and other protective clothing appropriate based on risk of exposure.														
Respiratory Protection:	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.														
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.														
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 1.4 mg/m³</td> <td>TLV</td> <td>ACGIH</td> </tr> <tr> <td>1 ppm 1.4 mg/m³</td> <td>PEL</td> <td>OSHA</td> </tr> <tr> <td>1 ppm 1.4 mg/m³</td> <td>REL</td> <td>NIOSH</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 1.4 mg/m ³	TLV	ACGIH	1 ppm 1.4 mg/m ³	PEL	OSHA	1 ppm 1.4 mg/m ³	REL	NIOSH
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance:	Clear, colorless liquid
Odor:	No Odor
Odor Threshold:	Not Applicable
Boiling Point:	Not Available
Melting Point:	Not Available
Specific Gravity:	1
Solubility:	Completely soluble in water
Vapor Density:	Not Available
Vapor Pressure:	Not 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:	Chronic toxicity: Not Available Mutagenicity: Not Available Specific target organ: Not Available Reproductive Toxicity: Not Available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Aquatic Vertebrates: Not Available Aquatic Invertebrate: Not Available Terrestrial: Not Available
Environmental Fate:	Mobility in Soil: Not Available Persistence and Degradability: Not Available
Bioaccumulation:	Not 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	Hazard Class: 5.1(8), Packing Group:: II

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:	24 Jan 2022

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.