CAMACHEM
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Material Safety Data Sheet (MSDS)

Section 1: Chemical Product and Company Identification	
Product Name	Hydrogen peroxide 50%
CAS Number	7722-84-1
Chemical Formula	H_2O_2
Company Name	CAMACHEM (Part of CAMAL Group) 3F Jinlong East Beijing Station Road Chaoyang District, Beijing, China
Contact	sales@camachem.com
Company Website	www.camachem.com
Section 2: Composition and Information on Ingredients	
Name	Hydrogen peroxide
CAS #	7722-84-1
% by Weight	30-50%
Section 3: Hazards Identification	
Classification of the substance or mixture:	Skin corrosion (Category 1A), H314 Serious eye damage (Category 1), H318 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335 Acute aquatic toxicity (Category 3), H402 Chronic aquatic toxicity (Category 3), H412
Hazards not otherwise classified (HNOC) or not covered by GHS:	None.
Section 4: First Aid Measures	
General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.
Skin contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.
Ingestion:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
If swallowed:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Indication of any immediate medical attention and special treatment needed:	No data available.

Section 5: Fire and Explosion Data

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No data available.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information:	No data available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Conditions for safe storage:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature 2 - 8 °C

Section 8: Exposure Controls/Personal Protection

Appropriate engineering controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Eye/face protection:	Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested andapproved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body Protection:	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Skin Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

Physical state and appearance:	Clear liquid
Odour:	No data available.
Color:	Colorless
PH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower flammability or explosive limits:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Relative density:	1.110 g/cm^3
Water solubility:	No data available.
Partition coefficient:	No data available.
Auto-ignition temperature:	No data available.

Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	The substance or mixture is not classified as oxidizing.

Section 10: Stability and Reactivity Data

Reactivity:	No data available.
Stability:	Stable under recommended storage conditions. Contains the following stabiliser(s): Proprietary Inhibitor (<0.1 %)
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatibility with various substances:	Zinc, Powdered metals, Iron, Copper, Nickel, Brass, Iron and iron salts.
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known. Other decomposition products - No data available

Section 11: Toxicological Information

Acute toxicity:	No data available.
Inhalation:	No data available.
Dermal:	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/eye irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
Specific target organ toxicity - single exposure:	No data available.
Specific target organ toxicity - repeated exposure:	No data available.
Aspiration hazard:	No data available.
Additional Information:	RTECS: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence (Hydrogen peroxide)

Section 12: Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.

Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

Section 13: Disposal Considerations

Product:	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging:	Dispose of as unused product.

Section 14: Transport Information

DOT (US):	**UN number:** 2014 **Proper Shipping Name:**Hydrogen peroxide, aqueous solutions **Class:** 5.1(8) **Packing Group:** II
IMDG:	**UN number:** 2014 **Proper Shipping Name:**Hydrogen peroxide, aqueous solutions **Class:** 5.1(8) **Packing Group:** II
IATA:	**UN number:** 2014 **Proper Shipping Name:**Hydrogen peroxide, aqueous solutions **Class:** 5.1(8) **Packing Group:** II
EMS number:	**F-H, S-Q**

Section 15: Other Regulatory Information

SARA 302 Components:	The following components are subject to reporting levels established by SARA Title III, Section 302: Hydrogen peroxide CAS-No. 7722-84-1 Revision Date 1993-04-24

SARA 313 Components:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards:	Reactivity Hazard, Acute Health Hazard, Chronic Health Hazard.

Section 16: Other Information

References:	None.
Other Special Considerations:	None.
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