Material Safety Data Sheet

For

AQUAGEM MANUFACTURING LIMITED

SUITE 101,BUILDING 15,SUITE 401,501, BUILDING 16, NO.193 JINLONG ROAD, DALONG STREET, PANYU, GUANGZHOU, CHINA

For product

INVERTER SALT CHLORINATOR (HESC5R5474Z-H 0.47F 5.5V. Containing Liquid: Probe Soaking Solution, FT-2 Grease, pH 7.00 Buffer Solution, pH 10.01 Buffer Solution)

Model/type reference	: N/A
Trade Mark	: N/A
Version number	: V1.0
Preparation Date	: January 03, 2025
Revision date	: N/A

Laboratory	Shenzhen SIT Testing Technology Co., Ltd.
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SECTION 1: Identification

Chemicals Name: INVERTER SALT CHLORINATOR (HESC5R5474Z-H 0.47F 5.5V. Containing Liquid: Probe Soaking Solution, FT-2 Grease, pH 7.00 Buffer Solution, pH 10.01 Buffer Solution)
Model: N/A
Company Name: AQUAGEM MANUFACTURING LIMITED
Address: SUITE 101, BUILDING 15, SUITE 401, 501, BUILDING 16, NO.193 JINLONG ROAD, DALONG STREET, PANYU, GUANGZHOU, CHINA
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SECTION 2: Hazard(s) Identification

Classification of the Substance or Mixture

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

Emergency summary:	Harmful swallowing. Do not feed anything to an unconscious person. Rinse your mouth with water. Consult a doctor. If inhaled, remove the patient to fresh air. If breathing stops, give artificial respiration. Consult a doctor. May cause skin allergic reaction. Rinse with soap and plenty of water. Consult a doctor. Causing severe eye damage. Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor. Toxic to aquatic life and has long lasting effects.
Tag elements:	
Risk Statement:	H317 may cause allergic skin reactions. H411 is toxic to aquatic organisms and has long lasting effects.
Preventive measures:	-P261 Avoid inhaling dust/smoke/gas/smoke/vapor/spray. -Wash skin thoroughly after P264 operation. -P270 Do not eat, drink or smoke while using this product. -P272 Contaminated work clothes shall not be taken out of the workplace. -P280 Wear protective gloves. -Avoid releasing P273 into the environment.
Accident response:	-P301+P312 If swallowed by mistake: If you feel unwell, call the emergency center/doctor. -P302+P352 If skin is contaminated: wash thoroughly with water. -P305+P351+P338 If entering eyes: Rinse carefully with water for a few minutes. If contact lenses are worn and can be easily removed, remove them. Keep rinsing. -P333+P313 If skin irritation or rash occurs: Seek medical attention. -P362+P364 Remove contaminated clothing and wash it before reuse -P391 Collect spills
Safe storage:	None
Waste disposal:	-P501 Dispose of contents/containers in accordance with local regulations
Physical and chemical hazards:	No data available

Health hazard:	H302 is harmful to swallow. H318 caused severe eye damage. H317 may cause allergic skin reactions. Prolonged ingestion or repeated exposure to H373 may damage organs.
Environmental hazard:	Toxic to aquatic life and has long lasting effects.

Hazards not Otherwise Classified or Covered by GHS

Data not available.

SECTION 3: Composition / Information on Ingredients

Components of Substance or Mixture

Chemical Name	CAS Number	Weight%
Water	7732-18-5	71.17
Mineral oil	8042-47-5	17.39
Lithium Gelatinizer	7631-86-9	3.26
Proprietary Additive	-	1.08
Potassium Chloride	7447-40-7	5.22
Potassium Phosphate, Monobasic	7778-77-0	0.38
Sodium hydrogen phosphate	7558-79-4	0.63
Sodium hydrogen carbonate	144-55-8	0.23
Sodium carbonate	497-19-8	0.29
Potassium Hydrogen Phthalate	877-24-7	0.35

SECTION 4: First-Aid Measures

General First Aid Information

Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation, redness, pain, and tearing.
Inhalation:	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Skin Contact:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. May cause irritation, redness, and pain.
Ingestion:	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

SECTION 5: Fire-Fighting Measures

Extinguishing Media

Use dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire. Water may be ineffective in extinguishing flames but should be used to cool adjacent containers.

Specific Hazards Arising from the Substance or Mixture

No reference materials are available.

Fire precautions and protective measures:
Fire fighters must use protective clothing and breathing equipment approved by NIOSH, and fight fire upwind.
If possible, move the container from the fire to an open area.
Containers in the fire area must be evacuated immediately if they are discolored or emit sound from the safety relief device.
Isolate the accident site and prohibit irrelevant personnel from entering.
Contain and treat fire water to prevent environmental pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

It is recommended that emergency personnel wear air breathing apparatus, anti-static clothes, and rubber oil-resistant gloves.
Do not touch or cross spills.
All equipment used during operation should be grounded.
Cut off the source of leakage as much as possible. Eliminate all ignition sources.
Delimit the warning zone according to the affected area of liquid flow, steam or dust diffusion, and evacuate irrelevant personnel from the crosswind or upwind to the safety zone.

Environmental protection measures:
Contain leaks to avoid polluting the environment. Prevent spills from entering sewers, surface water and groundwater.
Containment and removal methods of leaking chemicals and disposal materials used:
Small amount of leakage: Collect the leaking liquid in a sealable container as much as possible. Absorb with sand, activated carbon or other inert material and transfer to a safe place. Do not flush down the drain.
Large leakage: Build a embankment or dig a pit to contain it. Seal the drainage pipe. Cover with foam to inhibit evaporation. Transfer to a tank truck or special collector with an explosion-proof pump for recycling or transport to a waste disposal site.

SECTION 7: Handling and Storage

Precautions for Safe Handling and Storage Conditions

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

SECTION 8: Exposure Controls / Personal Protection

Control Parameters

Occupational exposure limit: No reference.

Exposure Controls

Engineering Controls:	Use only outdoors or in a well-ventilated area. No specific controls are needed. Normal room ventilation is adequate.
Respiratory Protection:	Normal room ventilation is adequate.
Skin Protection:	Wear protective rubber gloves and eye protection.
Eye Protection:	Wear protective rubber gloves and eye protection.

Personal Protective Equipment

Wear protective gloves and eye protection. Normal room ventilation is adequate. Chemical resistant gloves. Safety glasses or goggles.

SECTION 9: Physical and Chemical Properties

Basic Physical and Chemical Properties

Appearance	Green liquid
Physical State	Liquid
Odor	Data not available.
Odor Threshold	Data not available.
pH	Data not available.
Melting/Freezing Point	Approximately 0°C
Initial Boiling Point/Range	Approximately 100°C - Approximately 100°C
Flash Point	Data not available.
Evaporation Rate	Data not available.
Flammability	Data not available.
Flammability/Explosive Limits	Data not available.

Vapor Pressure	Data not available.
Vapor Density	Data not available.
Relative Density	1.09
Solubility	Miscible
Partition Coefficient	Data not available.
Auto-Ignition Temperature	Data not available.
Decomposition Temperature	Data not available.
Viscosity	Data not available.
Explosive Properties	Data not available
Oxidizing Properties	Data not available.

SECTION 10: Stability and Reactivity

Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

Possibility of Hazardous Reactions

Data not available.

Conditions to Avoid and Incompatible Materials

Keep only in original container. Organics, chlorates, carbides, fulminates, picrates, alkalines, reducing agents, nitrates, Acetic Acid, oxidizing agents, metals.

10.4. Hazardous Decomposition Products

Will not occur.

SECTION 11: Toxicological Information

Information on Toxicological Effects

Acute Toxicity - Oral Exposure:
Not applicable.
Acute Toxicity - Dermal Exposure:
There may be some stimulating effect on the skin. Wash arms,
hands and face thoroughly after handling. Wear protective gloves and eye protection.

Acute Toxicity - Inhalation Exposure:
Toxic if inhaled. Avoid breathing fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or physician. Specific treatment (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing with water). Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

IF SWALLOWED: Rinse mouth. Do not induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash

contaminated clothing before reuse.

IF INHALED: If inhaled: move the person to a fresh air place to keep breathing comfortable. Seek medical attention if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Serious Eye Damage and Irritation:

Causes serious eye damage. Wear protective gloves and eye protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or physician.

Respiratory Sensitization:

Not applicable.

Skin Sensitization:

Not applicable.

Germ Cell Mutagenicity:

Suspected of causing genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Carcinogenicity:

Not applicable.

Reproductive Toxicity:

Not applicable.

Calculated Risk :

Not applicable.

Additional Toxicology Information:

Data not available.

SECTION 12: Ecological Information

Ecotoxicity

Toxic to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations.

Persistence and Degradability

Data not available.

Bioaccumulative Potential

Data not available.

Mobility in Soil

Data not available.

Other Adverse Ecological Effects

Data not available.

SECTION 13: Disposal Considerations

Waste Treatment Methods

Recycle if possible. Please consult your local administration. It is recommended that the mixture be dissolved in a flammable solvent and incinerated in a chemical incinerator equipped with a post-burning and washing device. Comply with all national, regional and local regulations when disposing of waste.

SECTION 14: Transportation Information

UN number
ADR/RID: -
IMDG: -
IATA-DGR: -
UN proper shipping name
European Land Transport Risk Regulation: Non-dangerous goods
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA-DGR: Not dangerous goods
Transport hazard class(es)
ADR/RID: -
IMDG: -
IATA-DGR: -
Packaging group
ADR/RID: -
IMDG: -
IATA-DGR: -
Environmental hazards
ADR/RID European Agency responsible for road transport/European Agency responsible for rail transport: No
International Maritime Dangerous Goods Code (IMDG) Marine Pollutants (Yes/No) : No
International Air Transport Hazard Regulations: No

Further information
Not classified as hazardous according to transportation regulations.

SECTION 15: Regulatory Information

Occupational Safety and Health Administration (OSHA) Hazards: Not listed.

Regulations on the safety administration of dangerous chemicals (Promulgated by the state council on February 17, 1987) detailed rules for the implementation of the regulations on the safety administration of dangerous chemicals (Hua lao fa [1992] No. 677).

Regulations on the Safe Use of Chemicals in the workplace ([1996] Ministry of Labor issued No. 423) and other regulations have made corresponding regulations on the safe use, production, storage, transportation, loading and unloading of chemical non-dangerous goods.

SECTION 16: Other Information

The above information represents the most complete information available to us at present. However, there is no warranty, express or implied, as to the accuracy of the information or any other warranty, and we assume no liability arising from the use of such information. Users should do their own research to determine whether the information is appropriate for their particular purpose. Although reasonable precautions have been taken in preparing this data, this data is for your information, consideration and investigation only. This material safety data sheet provides guidelines for the safe handling and use of this product; It does not and cannot provide advice on all possible scenarios; therefore, you should evaluate the specific use of this product to determine if additional precautions are needed. The data/information contained in this document has been reviewed and approved for publication, but this document does not contain export control information.

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