Material Safety Data Sheet（ＭＳＤＳ）

Teozon Manufacturing (Asia) Sdn Bhd

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Product Name Quantum-Ion® – A307 Series

# Information on Ingredients

Product Type : Mixture Ingredients

CAS Number

Proportion Remarks

Titanium dioxide 13463-67-7 0.1-0.2%

Ionic Copper 7758-99-8 0.03-0.08%

Water 99.72-99.87%

UN classification : Not applicable

UN number : Not applicable Pollutant Release and Transfer Register Law

: Not applicable

Substance subject to notification under the Industrial Safety and Health Law

: Not applicable

# Hazards Classification

Name of classification : Not applicable to the classification standards Adverse human health effects: Not toxicity

Hazardous nature : Low risk in normal use.

Hazardous property : Projected value is low in normal use.

# First Aid Measures

In case of eye contact : Immediately flush eyes with copious of water at least 15 minutes and seek medical attention.

In case of skin contact : Wash thoroughly with soap and water. If inhaled : Gargle well. Seek medical attention, if necessary.

If swallowed : Induce vommiting by giving some water and rinse out one’s mouth. Get medical attention.

# Fire Fighting Measures

Special fire fighting measures : Cut off the source of fire and fight the fire using extinguishing media. Fight chemical fires from the windward side, wearing full protective clothing.

Extinguishing Media : Powder, foam, carbon dioxide, sand and water.

# Accidental Release Measures

Must wear protective equipment including goggles and rubber gloves.

Absorb onto sawdust, wiping rags or sand, and collect them into empty containers.

In event of major spill, dike area with earth and sand to prevent spreading and collect them into empty container as much as possible.

In that case, extreme caution must be taken not to discharge them into rivers, lakes and marshes, oceans and sewerage systems.

# Handling and Storage Precations

Handling : Wear protective gears like goggles and rubber gloves. Avoid rough handling such as overturning, dropping, impacting and dragging the containers. Provide adequate ventilation in work areas. Wear protective clothing and gears to avoid skin contact.

Storage : Keep tightly sealed and stored. Avoid direct sunlight and store at normal room temperature

（30 degrees centigrade and below）.

# Exposure Controls

Standard control concentration : Not established Allowable concentration : -----

Facility measures : None special facility measure is required when adequate ventilation and an eyewashing device are provided.

Protective equipment : Wear face mask, protective goggles, protective gloves and safety boots.

# Physical/Chemical Properties

Appearance and odor : Translucent white liquid with inherent odor. Boiling point : (water-soluble)

Volatility : Not shown

Melting point : (water solution) Solubility in water : Soluble in water The others : pH 7

# Stability and Reactivity

Stability and Reactivity : Stable with normal handling.

# Toxicological Information

Acute toxicity : Oral LD50 Rat:> 10,000 mg/kg

Local effects (skin, eye etc.) : Not irritative against skin and eye in the case of rabbit. Acridity : Negative when in-house patch test was conducted.

Chronic toxicity : Not available Mutagenicity : Ames Test: Negative

# Disposal Considerations

Commission the disposal to licensed hazadous waste disposal firms

# Transport Information

When transporting, make certain that there is no leakage from containers, load them not to be dropped, overturned and damaged, and surely prevent cargo shifting. Said item is not restricted and is not regulated as per IATA and no special provisions is needed whilst handling.

ADG Code

UN number Not applicable

Class Not applicable

Packing Group

Hazchem Code N/A

Other Information Not Classified as a dangerous good, and exempt from the requirements of the ADG Code.

IMDG Code

UN number Not applicable

Class Not applicable

Packing Group

Hazchem Code N/A

Other Information Not Classified as a dangerous good, and exempt from the requirements of the IMDG Code.

IATA

UN number Not applicable

Class Not applicable

Packing Group

Hazchem Code N/A

Other Information Not Classified as a dangerous good, and exempt from the requirements of the IATA.

# Other Information

The information contained herein is based on the data available to us and is believed to be correct. However, Teozon Manufacturing (Asia) Sdn Bhd, makes no warranty expressed or implied regarding the accuracy of these data. Since every chemical may have unpredictable hazadous properties, close attention is required when handling. The user is responsible for determining the suitability of this product for intended application.