



# **SAFETY DATA SHEET**

**Biocide C  
(HC-108C)**



**Liang Chi Industry Philippines, Inc.**  
CHEMICAL AND TECHNICAL SERVICES DIVISION

## COMPANY IDENTIFICATION AND PRODUCT INFORMATION

Trade Name	<b>HYDRALCHEM HC-108C (ALGAE CONTROL)</b>
Description	Biocide
Active Ingredient	Methylisothiazolinone
Company Name	Liang Chi Industry Phils., Inc.
Address	Km.20 Ortigas Avenue Extension, Bo. San Isidro, Taytay, Rizal
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Website	www.liangchi.com.ph

## HAZARD IDENTIFICATION

Chemical Hazards	Corrosive
Approximate Percentage	Very toxic to aquatic life
Exposure limits on air (TLV)	Toxic if swallowed or in contact with skin

## PHYSICAL PROPERTIES

Appearance and Odor	Liquid
pH (as supplied)	2.0 to 4.0
pH (1% Solution)	Not Available
Taste	Not Available
Molecular Weight	Not Applicable
Boiling Point	Not Available
Melting Point	Not Available
Critical Temperature	Not Available
Specific Gravity	Not Available
Vapor Pressure	Not Available
Vapor Density	Not Available
Volatility	Not Available
Odor Threshold.	Not Available
Water/Oil Dist. Coeff	Not Available
Ionicity in Water	Not Available
Dispersion Properties	Not Available
Solubility	Not Available

## FIRE AND EXPLOSION

Flash Point	Not Applicable
Fire Point	Not Applicable
Autoignation Temperature	Not Applicable
Flammable Limits in air volume %	Lower: not applicable Upper: not applicable
Fire Extinguishing Materials	Water spray, foam, CO <sub>2</sub> , dry chemical
Special Fire Fighting Procedures	Wear respirator (pressure demand, self-contained breathing apparatus) and full protective wear. Use water Spray to cool fire exposed containers.
Unusual fire and explosion hazards	Not Applicable
Others	Not Applicable

## HEALTH HAZARD INFORMATION

### *Symptoms of over-exposure for each potential route*

Inhaled	Irritating to mucous membranes and upper respiratory tract.
Contact with skin or eyes	Causes severe skin burns and eye damage.
Absorbed through skin	Causes an allergic skin reaction
Swallowed	Toxic
Others	Not applicable

### *Health effects or risks from exposure*

First Aid	Emergency procedures
Eye Contact	Flush with water for at least 15 minutes and get medical attention
Skin Contact	Wash with plenty of water
Inhaled	Move subject to fresh air. Apply artificial respiration if necessary
Swallowed	Dilute by giving two glasses of water to drink and call a physician. Never give anything to an unconscious person.

## REACTIVITY

Stability	Unstable
Condition to void	Not Available
Hazardous decomposition products (including combustion products)	None
Hazardous polymerization	May not occur
Others	Not applicable

## SPILL, LEAK AND DISPOSAL PROCEDURE

Spill response procedures (including employee protection measures)	Wear protective clothing, splash proof goggles and impervious overshoes. Remove contaminated clothing promptly, launder thoroughly before reuse. Wash skin with soap and water. Never dispose to bodies of water with fish.
Preparing waste disposal	Check with local regulations about limit of phosphonium, if any

*Note: Dispose all wastes in accordance with national and local regulation.*

## SPECIAL HANDLING INFORMATION

Ventilation and engineering controls	Mechanical local exhaust at point of contaminant (vapor or mist) release.
Respiratory protection	Water MSHA / NIOSH approved respirator suitable for concentration encountered where exposure limits are exceeded.
Eye protection	Splash-proof goggles and face shield
Gloves	Impervious
Other clothing and equipment	Over all if possible
Work practice, hygienic practice	Not applicable
other handling and storage required	Not applicable
Protective measures during maintenance of contaminated equipment	Not applicable

## LABELLING

Precautionary Statements

Irritation to skin and eyes

## TOXICOLOGICAL INFORMATION

Not phototoxic nor a photo sensitizer. No evidence for any target organ toxicity. In vivo studies indicate no genotoxicity. At maternally non-toxic levels no fetotoxic, embryotoxic, or teratogenic effects observed.

## ECOLOGICAL INFORMATION

Exotoxicity Toxic to aquatic organisms, fish and wildlife.

Other Data Do not allow product to reach the ground water, water courses sewage systems without prior decontamination.

## TRANSPORT INFORMATION

DOT Classifications Class 8 : Corrosive liquid

Identifications Corrosive, liquid acidic, organic n.o.s.

Mode of Transport Rode/rail

## OTHER INFORMATION

References Not available

Other special considerations Not available

Created September 10,2016

Last updated September 13,2018

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