

Section 1: Product & Company Information

Product Identifier: AquaLife proCURE

Other Means of Identification

Product Number: None

Recommended Use and Restrictions on Use

Recommended Use: For commercial use, ornamental fish aquaria.

Restrictions on Use: Not to be used as a pesticide.

Manufacturer / Importer / Supplier / Distributor Information

Company Name: Aquarium Life Support Systems
1737 Louisville Dr
Knoxville, TN 37921
USA

Information Telephone Number: 865/588-0108

Fax Number: 865/588-1976

Website: www.aqualifesupport.com

E-mail: cs@aqualifesupport.com

Emergency Phone Number: 865/588-0108

Section 2: Hazards Identification

GHS Hazard Classification(s)

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Skin sensitization (Category 1), H317

Carcinogenicity (Category 2), H351

Specific target organ toxicity - single exposure (Category 1), H370

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Pictograms

Signal word Danger

Hazard statement(s)

Harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing cancer.

Causes damage to organs.

Precautionary statement(s)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Section 3: Composition/Information on Ingredients

Chemical Identity	CAS #	Weight %
Formaldehyde	50-00-0	<5%
Methanol	67-56-1	<2%
Malachite Green Chloride	569-64-2	0.1%

Section 4: First Aid Measures

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact

Wash off with soap and plenty of water. Take victim immediately to hospital. 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

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Indication of immediate medical attention and special treatment needed

Hazards

No data available.

Treatment

No data available

Section 5: Fire Fighting Measures

Fire Extinguishing Materials: Material is non-flammable.

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep unauthorized personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate area. Remove soiled clothing and laundry before reuse. Avoid all skin contact with the spilled material. Have emergency equipment readily available.

Section 7: Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

No smoking.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

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. Store at room temperature above 16°C (60°F) and below 38°C (100°F)

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters
Component CAS Reg. No. Value Control Parameters Basis
Formaldehyde 50-00-0 C 0.3 ppm USA. ACGIH Threshold Limit Values (TLV)

Remarks: Eye & Upper Respiratory Tract irritation; Suspected human carcinogen
Sensitizer

Methanol 67-56-1 Methanol 15 mg/l Urine ACGIH - Biological Exposure Indices (BEI)

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may involve prolonged exposures to mists or sprays from this product.

Eye/face protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Section 9: Physical and Chemical Properties

Appearance:

Form:

liquid

Color: dark blue-green

Safety data

pH:

no data available

Melting point/freezing point:

no data available

Boiling point:

no data available

Flash point:

not applicable

Ignition temperature:

no data available

Auto-ignition temperature:

no data available

Lower explosion limit:

no data available

Upper explosion limit:

no data available

Vapor pressure:

no data available

Specific Gravity:

<1.038 at 25 °C (77 °F)

Water solubility:

100%

Partition coefficient:

n-octanol/water

no data available

Relative vapour density:

no data available

Odor:

typical of formaldehyde

Odor Threshold:

no data available

Evaporation rate:

no data available

Section 10: Stability and Reactivity

Reactivity: no data available

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

no data available

Conditions to avoid:

Heat, cold

Incompatible materials:

Strong bases, Acids

Hazardous decomposition products:

no data available

Other decomposition products:

no data available

In the event of fire: see section 5

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:

- Mammal: lymphocyte; DNA damage (Malachite Green Chloride)
- Hamster Embryo: DNA damage (Malachite Green Chloride)

Carcinogenicity:

IARC: 1 - Group 1: Carcinogenic to humans (Formaldehyde).

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. (Malachite Green Chloride).

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH (Malachite Green Chloride).

NTP: Known to be human carcinogen (Formaldehyde)

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP (Malachite Green Chloride).

OSHA: OSHA specifically regulated carcinogen (Formaldehyde)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (Malachite Green Chloride).

Reproductive toxicity: Suspected human reproductive toxicant; no data available (Malachite Green Chloride)

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: BQ1180000 (Malachite Green Chloride)

Methyl alcohol may be fatal or cause blindness if swallowed., Cannot be made non-poisonous.

Effects due to ingestion may include:, Nausea, Dizziness, Gastrointestinal disturbance, Weakness, Confusion., Drowsiness, Unconsciousness, May cause convulsions.

Malachite Green Chloride; To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Liver - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

Liver - Irregularities - Based on Human Evidence (Formaldehyde)

Stomach - Irregularities - Based on Human Evidence (Methanol)

Section 12: Ecological Information

Toxicity to Fishes

LC50 - Lepomis macrochirus

0.0218 mg/L - 96.0 h

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

Section 13: Disposal Considerations

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transportation Information

US Department of Transportation (DOT)

UN number: 2209 Class: 8 Packing group: III

Proper shipping name: Formaldehyde solutions

Reportable Quantity (RQ): 270 lbs

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN number: 2209 Class: 8 Packing group: III EMS-No: F-A, S-B
Proper shipping name: FORMALDEHYDE SOLUTION
Marine pollutant: No

IATA

UN number: 2209 Class: 8 Packing group: III

Section 15: Regulatory Information

OSHA Hazards

Target Organ Effect, Irritant

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302: Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

Methanol, CAS-No. 67-56-1, Revision Date 2007-07-01

SARA 311/312 Hazards

Acute Health Hazard; Chronic Health Hazard

Massachusetts Right To Know Components

Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01, Methanol, CAS-No. 67-56-1, Rev Date 2007-07-01

Malachite Green Chloride, CAS-No. 569-64-2, Revision Date 1993-04-24

Pennsylvania Right To Know Components

Water, CAS-No. 7732-18-5, Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01, Methanol, CAS-No. 67-56-1, Revision Date 2007-07-01, Malachite Green Chloride, CAS-No. 569-64-2, Revision Date 1993-04-24

New Jersey Right To Know Components

Water, CAS-No. 7732-18-5, Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01, Methanol, CAS-No. 67-56-1, Revision Date 2007-07-01, Malachite Green Chloride, CAS-No. 569-64-2, Revision Date 1993-04-24

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer. Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-09-28

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm., Methanol, CAS-No. 67-56-1, Revision Date 2012-03-16

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Malachite Green Chloride, CAS-No. 569-64-2

Section 16: Other Information

Disclaimer

The information in this SDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.