FRITZ INDUSTRIES

Safety Data Sheet

1. Identification

Common Name/ Trade Name:	**QUICK-CURE**	Revision Date: October 23, 2014	
Material Uses:	Aquarium product, anti-parasitic	Product Number :	N/A
Supplier:	FRITZ INDUSTRIES, INC. 500 N. SAM HOUSTON ROAD MESQUITE, TX 75149	In Case of Emergency:	
		Week Days: (Monday – Friday 8-5): (972) 285-5471 (800) 955-1323	CHEMTREC (7 days a week, 24 hours a day) (800) 424-9300

2. Hazard(s) Identification

Classification:
Flammable Liquids, Category 4
Acute Toxicity, Oral, Category 4
Acute Toxicity, Inhalation (gas), Category 3
Acute Toxicity, Dermal, Category 3
Skin Corrosion, Category 1B
Serious Eye Damage, Category 1
Skin Sensitization, Category 1
Carcinogenicity, Category 2
Specific Target Organ Toxicity, Single Exposure, Category 1

Labeling

Symbol:

Signal word: DANGER

Hazard Statement:
H227 Combustible liquid.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H350 May cause cancer.
H370 Causes damage to organs (nervous system, respiratory system, an optic organ).

Precautionary Statements:
P102 Keep out of reach of children.
P103 Read label before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe fume/mist/vapor.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Other hazard information:

Physical/Chemical Hazards: No additional hazards.
Health Hazards: No additional hazards.
Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients

Chemical Identity	Numbers of Identity	% by Weight
Malachite Green	CAS# 569-64-2	<1.5
Formaldehyde	CAS# 50-00-0	37
Methanol	CAS# 67-56-1	10-15

4. First Aid Measures

Inhalation:	If inhaled, remove from area to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Skin Contact:	In case of contact, remove contaminated clothing. Wash contact areas thoroughly with soap and water. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
Eye Contact:	In case of contact, do not rub eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
Ingestion:	If ingested, remove material from mouth and rinse with water. Do not induce vomiting. Seek immediate medical attention and/or contact Poison Center.

5. Fire and Explosion Data

General Information:	Material is considered combustible.
Suitable Extinguishing Media:	Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide (CO_2).
Unsuitable Extinguishing Media:	None known.
Specific Hazards in case of fire:	Thermal decomposition will release oxides of carbon, oxides of nitrogen, and hydrogen chloride gas.
Special Protective Equipment and Precaution for Fire Fighters:	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

6. Accidental Release Measures

Personal precautions:	Avoid contact with material. Avoid breathing vapors or mist. Remove sources of ignition. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard.
Environmental precautions:	Prevent release to sewers, waterways, and confined spaces.
Methods and materials for containment and cleaning up:	Ventilate area. Isolate and contain spill. Recover material with an inert absorbent and place into an appropriate waste container approved for combustibles.

7. Handling and Storage

Precautions for safe handling:	For aquarium use only. Read label before use. Avoid contact with skin and eyes. Avoid breathing vapors or mist. Use proper personal protective equipment, see section 8. Keep away from sources of ignition. Wash thoroughly after handling.
Conditions for safe storage, including incompatibilities:	Keep container tightly closed. Store in a dry, cool, and well-ventilated area. Store away from strong oxidizing agents, strong acids, strong bases, and reducing agents. See section 10 for list of incompatibles.

8. Exposure Controls/Personal Protection

Information on the system design:

Exposure Limits:

Component Name (CAS-No.)	Reference	Limit Values
Malachite Green CAS# 569-64-2	ACGIH (TWA)	Not Established
	NIOSH (REL)	Not Established
	OSHA (PEL)	Not Established
Formalin (as Formaldehyde) CAS# 50-00-0	ACGIH (Ceiling)	0.3 ppm
	NIOSH (REL)	0.016 ppm
	NIOSH (Ceiling)	0.1 ppm
	OSHA (PEL)	0.75 ppm
	OSHA (STEL)	2 ppm
Methanol CAS# 67-56-1	ACGIH (TWA)	200 ppm
	ACGIH (STEL)	250 ppm (skin)
	NIOSH (REL)	200 ppm
	NIOSH (STEL)	250 ppm (skin)
	OSHA (PEL)	200 ppm

Ventilation: Use adequate ventilation to keep airborne contaminants below exposure limits.

Respiratory protection: If ventilation is inadequate, use a MSHA/NIOSH respirator approved for mist and organic vapors.

Eye protection: Safety glasses with side-shields or splash goggles.

Skin protection: Chemical resistant gloves.

9. Physical and Chemical Properties

Flashpoint (Tag Closed Cup):	**154°F (68°C)**	Lower Flammability Limit:	**7%**
Auto ignition Temperature:	**788°F (420°C)**	Upper Flammability Limit:	**70%**
Boiling Point:	**212°F (100°C)**	Specific Gravity:	**1.15**
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm_{Hg}:	**≈40 @ 77°F**	Evaporation Rate (Water=1):	**<1**
Vapor Density (air=1):	**≈1**	Viscosity:	Not determined
%Solubility in Water:	**Soluble**	Octanol/Water Partition Coefficient:	**0.35**
Pour Point:	Not determined	pH:	**3.1**
Odor/Appearance:	**Pungent odor/Blue-green, opaque liquid**		

10. Stability and Reactivity Data

Chemical Stability: Product is stable under recommended conditions of use and storage.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Heat, flames, and sparks.

Materials to avoid: Strong oxidizing agents, aniline, phenol, isocyanates, acid anhydrides, strong acids, strong bases, amines, peroxides, acid chlorides, alkali metals, and reducing agents.

Hazardous Decomposition Products: Thermal decomposition will release oxides of carbon, oxides of nitrogen, and hydrogen chloride gas.

11. Toxicological Information

Routes of Exposure: Eye, skin, inhalation, and ingestion.

Acute Toxicity:

Formaldehyde: LD_{50}: 605 mg/kg, oral, rat
LD_{50}: 270 mg/kg, dermal, rabbit
LC_{50}: 480 ppm, inhalation gas, rat

Subchronic/Chronic Toxicity:

Carcinogenicity: **ACGIH** – Formaldehyde (CAS# 50-00-0), A2, Suspected human carcinogen
IARC – Formaldehyde (CAS# 50-00-0), Group 1 (Carcinogenic to humans)
NTP – Formaldehyde (CAS# 50-00-0), Reasonably anticipated to be a human carcinogen

12. Ecological Information

Persistence and degradability: Data not available.
Bio-accumulative potential: Data not available.
Mobility: Data not available.
Aquatic Toxicity:

Test	Results	Comments
Channel Catfish (*Morone saxatilis)*	LC_{50}: 4.960 mg/L, 96 hour	Formalin

13. Disposal Considerations

Waste Disposal: Dispose material according to local, state, and federal regulations.

14. Transport Information

US DOT Classification:
UN-number: UN2209
UN proper shipping name: Formaldehyde Solutions
Transport hazard class: 8
Packing group: III
Marine Pollutant: No

15. Other Regulatory Information

Inventory Status: Components are listed in TSCA inventory.

US Regulations:

SARA 302 EHS Chemicals: The following components are subject to reporting levels established by SARA Title III, section 302:
- Formaldehyde, CAS# 50-00-0

SARA (311/312) HAZARD CATEGORIES:
Fire Hazard
Acute Health Hazard
Chronic Health Hazard

SARA 313: The following components are subject to reporting levels established by SARA Title III, section 313:
- Formaldehyde, CAS# 50-00-0
- Methanol, CAS# 67-56-1
- C.I. Basic Green 4 (Malachite Green), CAS# 569-64-2

EPA CERCLA/Superfund Reportable Spill Quantity: The following components are subject to reportable quantities established by CERCLA:
- Formaldehyde, CAS# 50-00-0, 100 pounds
- Methanol, CAS# 67-56-1, 5000 pounds

16. Other Information

Abbreviations and acronyms:

ACGIH: American Conference of Industrial Hygienists
CAS: Chemical Abstract Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
EHS: Extremely Hazardous Substances
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
LC_{50}: Lethal Concentration, half maximal
LD_{50}: Lethal Dose, half maximal
mg/Kg: Milligrams per Kilograms
mg/L: Milligrams per Liter
mg/m3: Milligrams per Cubic Meter
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
n.o.s.: Not Otherwise Specified
NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
PPM: Parts per Million
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term exposure limit
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 3, Flammability 2, Reactivity 0, Protective Equipment j
NFPA (U.S.A.): Health 3, Flammability 2, Reactivity 0

Prepared by: Michael Carlo **Preparation date: October 23, 2014**

End of SDS