



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

AGRISAN 20

EPA Reg. No. 58044-3-72159

Common Name: Liquid Algaecide/Fungicide.

Chemical Description: Quaternary Amine.

TSCA/CAS No.: The primary CAS numbers are 68391-01-5 and 68956-79-6.

Manufactured For:

Agrisel USA, Inc.

715 Bittersweet Trail

Atlanta, Georgia 30350

678 441-0030

Emergency Phone Numbers

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Colorless to light straw in color liquid with benzaldehyde odor. Causes irreversible eye damage and skin irritation. Avoid contact with strong oxidizers or reducing agents. Not D.O.T. regulated.

HEALTH: 3 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Immediately flush eyes with plenty of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

Ingestion: Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SECTION 4. FIRST AID (Continued)

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Not determined.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not determined.
Flammability Classification:	Not determined.
Known Hazardous Products of Combustion:	Not determined.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	Not known.
Extinguishing Media:	Foam, carbon dioxide, dry chemical, or water fog.
Special Firefighting Procedures:	Cool fire-exposed containers with spray. Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment: Prevent product spillage from entering drinking water supplies or streams.

Clean Up: Remove ignition sources. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material moved into containers and disposed of by approved methods for hazardous wastes.

Evacuation: Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage: Keep from freezing. Store in original container only in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.

Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

Work/Hygienic Practices: Keep out of reach of children. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or clothing. Wear protective eyewear (goggles or face shield), rubber gloves and protective clothing. Avoid breathing spray mists. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

Skin: Long-sleeved shirt and long pants, and chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton.

Respiratory: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Ventilation: Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance: Colorless to light straw colored liquid.

Odor: Benzaldehyde odor.

pH: 7.0

Vapor Pressure: Not determined.

Vapor Density (Air=1): >1.0.

Boiling Point: >212°F.

Freezing Point: Not determined.

Water Solubility: Soluble.

Density: 8.26 lbs./gal.

Evaporation Rate: <1.0.

Viscosity: Not determined.

% Volatile: 80% by weight.

Octanol/Water Partition Coefficient: Not determined.

Saturated Vapor Concentration: Not determined.

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions To Avoid: Not available.

Incompatibility: Avoid strong oxidizers or reducing agents.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTS

Acute Effects:

Eyes: Corrosive. Liquid and mists may damage eyes causing corneal injury.

Skin: May cause burning, redness or swelling. Prolonged or repeated exposure can cause dermatitis.

Ingestion: May be irritating. Large doses can cause vomiting and diarrhea.

Inhalation: Not a significant hazard under normal use conditions.

Subchronic Effects: Not available.

Chronic Effects: Not available.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Insecticides and Fungicides, Liquid. NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.
SARA TITLE III, Section 313 Toxic Chemicals: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.