

MATERIAL SAFETY DATA SHEET
Emergency Telephone (262) 251-4977

Name: **Alliance Group, Inc.** Address: N114 W18621 Clinton Drive
City: Germantown State: Wisconsin Zip Code: 53022
Product name: **Algicide 10-53**
Product code: **0152**

Section II - Hazardous Ingredient

CAS Number	Chemical Component	% by Wt.	TLV (ppm)	Hazard Data
142-59-6	Disodium ethylene bisdithiocarbamate	4.5	N.E.	LD ₅₀ -395 mg/kg
128-04-1	Sodium dimethyl-dithiocarbamate	4.5	N.E.	LD ₅₀ -1 gm/kg
96-45-7*	Ethylene thiourea (1)	0.1	N.E.	

* subject to reporting under 40 CFR 372 (SARA Title III, Sec.313)

Section III - Physical Data

Physical State: Liquid	Appearance: pale yellow to green
Specific Gravity: 1.04	Odor: slight ammonia odor
Solubility in water: Complete	Freezing Point: Not Available
pH: 11.5	

Section IV - Fire and Explosive Data

Flash Point: >200°F (Pensky - Martens)

Extinguishing Media: CO₂, water fog, dry chemical, foam

Unusual Fire and Explosion Hazards: Cool drums in vicinity of fire by water spray. Hydrogen sulfide and flammable by-products may be generated under extreme heat or contact with strong acids

Section V - Reactive Hazards

Product Stability: Material is Stable
Hazardous Polymerization: Will not occur

Conditions to avoid: Extreme heat
Incompatibility: Strong acids and oxidizing agents

Hazardous Decomposition Products: Hydrogen sulfide may be produced if heated to high temperatures. Carbon disulfide may be produced on contact with strong acids. Dimethylnitrosamines may be produced on contact with a combination of strong acids and nitrosating compounds.

Section VI - Health Hazards

Eyes: Irritation
Skin: Irritation
Ingestion: Harmful if swallowed.
Inhalation: Not known

Principal Routes of Exposure: Eye contact, skin contact
Threshold Limit Value: Not established
Effects of Overexposure: exact effects are unknown

Section VII - First Aid Measures

First Aid Procedure - Never give fluids or induce vomiting if patient is unconscious or having convulsions.

Eyes: IMMEDIATELY flush with plenty of cool water for at least 15 minutes. Get immediate medical attention.

Skin: Wash with plenty of soap and water. Wash contaminated clothing before re-use. Discard contaminated footwear. Get medical attention if irritation persists.

Ingestion: Give victim large quantities of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Get medical attention immediately.

Inhalation: Remove to fresh air; obtain medical attention immediately.

Section VIII - Normal Handling Procedures

Precautions to be taken
in Handling and Storage: Keep container tightly closed when not in use.
Store in a cool, dry, secure place away from acids

Keep from freezing and avoid temperatures > 140°F

Section IX - Personal Protection

Protective Equipment:

Eyes: Face shield and chemical goggles which are dust and splash proof.
Skin: Chemical resistant gloves
Other: Eye wash and safety shower located in close proximity
Ventilation Requirements: provide local exhaust

Section X - Spill or Leak Control Procedures

Steps to be taken in case of spills: Use protective gear (Sec VII) Collect all spilled material and place in labeled, approved containers for disposal. Do not flush to open sewer or water courses.

Waste disposal methods: Material is a pesticide and must be disposed of in a manner approved by EPA Resource Conservation and Recovery Act. RCRA waste code: U116

Section XI - Regulatory Status Information

DOT Shipping Name: Non-hazardous (not regulated)
DOT Hazard Class: Non-hazardous

Toxic Substances Control Act (TSCA):

All components of this product are listed in the Toxic Substance Control Act Inventory.

Comprehensive Environmental Response Compensation and Liability Act (CERCLA):

Reportable Quantity = 10,000 pounds (Ethylene thiourea has RQ of 10 pounds)

Superfund Amendments and Reauthorization Act (SARA Title III) - Section 311 Hazard Categories:

Acute Health	Yes
Chronic Health	Yes
Fire	No
Sudden Release of Pressure	No
Reactive	No

Chronic Health: Ethylene thiourea (CAS No. 96-45-7) is listed as an anticipated human carcinogen (NTP) and as a possible human carcinogen (Group 2B-IARC)

Superfund Amendments and Reauthorization Act (SARA Title III) - Section 313:

Components of this product subject to reporting:
Ethylene thiourea (CAS No. 96-45-7)
Disodium ethylenebisdithiocarbamate (CAS No. 142-25-6)
Sodium dimethyldithiocarbamate (CAS No.128-04-1)

The above information is believed to be accurate and discloses the known hazards for this product as of this date. No additional warranties are made.

Date: March 18, 2008 By: P. May