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MATERIAL SAFETY DATA SHEET

Emergency Phone: 800-424-9300 (CHEMTREC)

Date: February 1, 1989

PRODUCT NAME: Algicide A-5

Formula: Mixture: (see ingredients below)

Chemical Type: Algicide, hydrocarbon solvent, mixture.

HMIS RATINGS: Health-3 Flammability-2 Reactivity-1 Protection-H

DOT Shipping Name: Corrosive Liquid, n.o.s. (2-(Thiocyanomethylthio)-benzothiazole, Methylene bis(thiocyanate)), UN1760. Label: Corrosive

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>TWA</u>	<u>CARCINOGEN</u> (OSHA, NTP, IARC)
2-(Thiocyanomethylthio)benzothiazole (CAS No. 21564-17-0)	2.5	none	no
Methylene bis(thiocyanate) (CAS No. 6317-18-6)	2.5	none	no
Aromatic Hydrocarbon Solvent	n/av	100 ppm	no
Proprietary Additives	n/av		

CHEMICAL AND PHYSICAL PROPERTIES

<u>Appearance:</u> <u>Light amber liquid</u>	<u>Boiling Pt.:</u> <u>>212°F.</u>
<u>Odor:</u> <u>slight</u>	<u>Melting Point:</u> <u>n/a</u>
<u>pH:</u> <u>11.5</u>	<u>Spec. Gravity(H₂O=1):</u> <u>0.96</u>
<u>Water Solubility:</u> <u>Dispersible</u>	<u>Vapor Pressure(mm Hg):</u> <u>n/a</u>
<u>Viscosity, Cp @ 25°C.:</u> <u>n/a</u>	

FIRE AND EXPLOSION HAZARDS

Flash Point(Method): 158°F. TCC Explosion Limits:Upper n/a Lower n/a

Extinguishing Media: water fog, foam, CO₂, dry chemicals.

Special Firefighting Procedures and Hazards: Avoid skin and eye contact.
Wear head and body protection if exposure is possible. Treat as
combustible liquid.

REACTIVITY INFORMATION

Stable: X Unstable: _____ Precautions: n/a
Incompatibility: None known.
Hazardous Decomposition Products: when burned: CO₂, CO, hydrocarbons, SO₂, NO_x.
Hazardous Polymerization Occurs: _____ Does Not Occur: X

HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

Inhalation: Inhaled mists are highly toxic and possibly corrosive to membranes.
Wear approved liquid mist respirator if exposure is likely.
Remove to fresh air. Get prompt medical attention if effects persist.

Skin: Corrosive. Can cause skin burns and sensitization (allergy).
Wear protective gloves and complete body protection as needed.
Provide convenient safety showers.
Remove contaminated clothing. Flush skin thoroughly with water for 15 minutes. Get medical attention for burns.

Eyes: Corrosive. May cause burns and possible blindness.
Wear splash-proof goggles. Provide convenient eyewash stations.
Flush immediately with water for at least 15 minutes. Get prompt medical attention.

Ingestion: May cause irritation and membrane burns. Possible toxic effects related to petroleum solvents.
Wear face shield if needed. Avoid swallowing.
Rinse mouth. Drink lots of water. Induce vomiting if conscious.
Get medical attention.

Most likely routes of entry: Skin, Eyes.

Other Important Medical or Precautionary Information: None

PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Take up small spills with absorbent, or flush down sewer with lots of water. Larger spills should be contained by diking or otherwise and collected for reuse or disposal. Do not discharge into fish-bearing waters. Avoid contact with skin or eyes. Response personnel should use eye and skin protection.

Storage and Handling: Do not expose to extreme temperatures. Keep containers closed when not in use. Check daily for any leaks from containers, vessels, pumps and piping, and remedy as necessary.

Waste Disposal: In accordance with applicable regulations. Is a RCRA hazardous waste.

Empty Containers: Triple rinse with water before handling and disposal. Follow label instructions.

Other Precautions: none

REGULATORY INFORMATION

Reportable for SARA Title III, S.313 (Form R): none

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