

an ordinary

MATERIAL SAFETY DATA SHEET
Emergency Telephone (414) 332-8440

Company: Alliance Group Inc. **Address:** 600 East Keefe Avenue
City: Milwaukee **State:** Wisconsin **Zip:** 53212
Product name: Spectrum BIO-173
Product code: 0173

Section II - Hazardous Ingredient

CAS Number	Chemical Component	%	TLV (ppm)	Hazard Data
64-17-5	Ethyl Alcohol denatured		1000 ppm PEL	

Section III - Physical Data

Solid:	Liquid: X	Appearance: clear
Specific Gravity: 0.98		Odor: slight alcohol odor
Solubility in water: Complete		freezing Point: 32°F
% Volatiles: 50%		pH: 7-8
Vapor Density: Estimated heavier than air		

Section IV - Fire and Explosive Data

Flash Point: >200°F (Pensky Martens closed cup) Flammable Limits: unknown

Extinguishing Media: CO₂, water fog, dry chemical, foam. Class BC, ABC fire extinguishers

Special Fire Hazards and Equipment Required: Firefighters should use self-contained breathing apparatus and impervious clothing.

Section V - Reactive Hazards

Product	Hazardous	will not
Stable: No Yes X	Polymerization:	occur

Conditions to avoid: high temperatures

Incompatibility: Anionic surfactants, strong oxidizing agents

Hazardous Decomposition Products: nitrous oxides and ammoniacal vapors.

Section VI - Health Hazards

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Eyes: Severe irritant and will cause chemical burns

Skin: Strong irritant

Ingestion: Swallowing may result in toxic effects. Consult a physician immediately

Inhalation: Prolonged inhalation results in dizziness

**Principal Routes
of Exposure:** Topical

Acute effects of Overexposure: See above

Chronic Effects of Overexposure and Medical Conditions Aggravated by Overexposure to this product have not been established.

Product not listed as a carcinogen or potential carcinogen by National Toxicology Program, I.A.R.C. Monographs or O.S.H.A.

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

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

Skin: Flush with plenty of water. Wash contaminated clothing before re-use.

Ingestion: Consult a physician immediately.

Inhalation: Remove to fresh air; obtain immediate medical attention. If breathing is labored, administer oxygen if available.

Section VII - Normal Handling Procedures

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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 open flames.

Protective Equipment:

Eyes: Face shield and chemical goggles

Gloves: Rubber

Other: Rubber apron, gauntlets, eye wash, safety shower

Ventilation Requirements: Local ventilation exhaust

Corrosive Action on Materials: Mild

Section VIII- Spill or Leak Control Procedures **msds 0173**

Steps to be taken in case of spills: Use protective gear (Sec VII) Stop flow, eliminate sources of ignition. Contains spill on absorbant medium. Collect contaminated medium in labeled approved drums for disposal. Flush area with plenty of water.

Waste disposal methods: Contact local environmental authorities.

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: January 9, 1991 By: D.C. Miller