

GC/Waldom Electronics
1801 Morgan Street
Rockford, IL 61102
Product Information: (815) 968-9661

Product Name: Magnetic Head Cleaner
MSDS Number: 116
Revision Date: 07/24/00
Supersedes Date: 12/23/97

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Denatured Ethanol
Product Name: **Magnetic Head Cleaner**
Part Number(s): 19-773
19-5302
19-5302-16
19-5302-G
Emergency Contact: **Chemtree**
Phone: **(800) 424-9300**

Section 1 – Product Information

HMIS Rating	Least	0
Acute Health:	3	Slight 1
Fire:	3	Moderate 2
Reactivity:	0	High 3
		Extreme 4

Section 2 – Hazardous Ingredients

Hazardous Ingredients	CAS #	Percent	T.L.V. (ppm)
Isopropyl Alcohol 99%	67-63-0	0-13	400
Methanol	67-56-1	0-11	200
Methyl Isobutyl Ketone	108-10-1	0-11	100
SD 408-190 Proof Alcohol	Mixture	77-91	1000

Section 3 – Physical Data

Boiling Point: @ 760 mm Hg or Range 148°F - 241°F
Vapor Pressure: mm Hg @ 68°F 47.2
Vapor Density(Air = 1): 1.5
Solubility(Weight % in Water): 99.2
Specific Gravity(H₂O-1): .812
Volume % Volatile: 100
Evaporation Rate(Butyl Acetate=1): greater than 1
Appearance and Odor: Clear liquid with a characteristic odor

Section 4 – Fire and Explosion Hazard Data

Flash Point: 53°F Method Used=TCC
Flammable Limits in Air (% by Vol.): LEL: 1.4 UEL: 36.5
Extinguishing Media: Carbon dioxide, dry chemical or foam.
Special Fire Fighting Procedures: Cool fire exposed containers with water. Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus.

Section 5 – Health Hazard Data

Permissible Exposure Limits (TLV):	For the lowest component 100 ppm
Effect of Overexposure:	Causes blindness, narcosis, headache, nausea and vomiting leading to severe illness and perhaps death. Overexposure can lead to central nervous system depression producing such effects as headache, dizziness, nausea and loss of consciousness.
Primary Routes of Overexposure:	
Eye:	Irritating to the eyes and mucous membranes.
Skin:	Can cause defatting and drying of the skin resulting in irritation and dermatitis. Can be absorbed through the skin causing effects similar to inhalation and ingestion.
Inhalation/Absorption:	Repeated exposure by inhalation or absorption may cause systemic poisoning. Poisonous. Cannot be made nonpoisonous.
Ingestion:	May cause marked and persistent nausea, vomiting and abdominal pain.
Emergency and First Aid Procedures:	
Eye Contact:	Flush eyes with water for at least 15 minutes. Get medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing. If irritation persists, get medical attention.
Inhalation:	Remove victim to fresh air. Provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.
Ingestion:	Induce vomiting if conscious. Never give anything by mouth to an unconscious person. Consult physician immediately.

Section 6 – Reactivity Data

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions and Materials to Avoid:	Product may attack aluminum.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and unidentified organics.

Section 7 – Spill or Leak Procedures

Steps to be taken if material is spilled or released:	Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. For large spills, dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue or small spills with noncombustible absorbent; place in drums for proper disposal. Flush area with water to remove trace residue. Dispose of flush solutions in drums. Keep out of surface waters and any watercourses or sewers entering or leading to surface waters.
Waste Disposal Method:	Dispose of in an appropriate disposal facility in compliance with local regulations. Refer to latest EPA or State Regulations regarding disposal.

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Section 8 – Special Protection Information

Respiratory Protection: Use NIOSH approved respirator if chance of overexposure.
Ventilation (Type): Use explosion proof ventilation to maintain vapor concentrations below the TLV.
Skin/Eye Protection: Wear gloves, goggles, and other protective clothing to minimize skin contact and prevent eye contact.

Section 9 – Special Precautions

Precautions to be taken during Handling and Storing: Keep container closed. Do not store near heat, sparks, flame, or oxidizing materials. Ground all containers when transferring liquid. Use nonsparking tools.

Section 10 – Regulatory Information

Contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Substance Name	C.A.S. Number	Percent by Weight
Methanol	67-56-1	4.22
Methyl Isobutyl Ketone	108-10-1	.89

Section 11-Other Information

DOT Shipping Name: Ethyl Alcohol (Denatured)
DOT Hazard Class: 3
Identification No.: UN1170
Packaging Group: 1

Disclaimer

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