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HealthLink®
A family of Medical Products

MATERIAL SAFETY DATA SHEET

Section I: IDENTIFICATION

Product Name: **Chlorazol Black E**

Date Prepared: 06/23/03
Item Number: 400308
Emergency Phone Infotrac: 800-535-5053

Section II: INGREDIENTS

Component(s):		*CAS#*	*OHSA PEL, ACGIH TLV/STEL*	**NFPA**	
Methyl Sulfoxide	<12%	67-68-5	NA	Health	3
Potassium Hydroxide	5%	1310-58-3	NR	Flammability	0
Chlorazol Black E	< 1%	1937-37-7	NA	Reactivity	0

Section III: PHYSICAL DATA

Boiling Point: ~200°F
Vapor Pressure mm Hg/20°C: NR
Vapor Density (Air 1:1): NR
Solubility in H2O: Complete
Specific Gravity (H2O - 1): ~1
Percent Volatile by Vol: Minimal
Evaporation Rate (ether - 1):<1
Appearance & Odor: Dark blue liquid/slight bitter odor

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: NA *Flammable Limits:* LEL, NA UEL, NA
Extinguishing Media: Water spray, dry chemical, CO_2 and foam
Special Fire Fighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.
Unusual Fire & Explosion Hazards: Product contains a combustible liquid.

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Strong acids
Hazardous Decomposition or Byproducts: Oxides of carbon, nitrogen, sulfur
Hazardous Polymerization: Does not occur *Conditions to Avoid:* Excessive heat

Section VI: HEALTH HAZARDS

NOTE: Product as offered in liquid form, is not expected to present unusual health hazards when following good laboratory practices. Product, however is slightly corrosive.

Routes of Entry: Inhalation, Skin and Ingestion
Acute: Vapors will cause eyes, skin and respiratory irritation or burning.
Chronic: May cause burning to eyes, skin and intestinal tract, gastrointestinal disturbances, convulsions, circulatory problems, respiratory system and damage kidneys .
Carcinogenicity: Not classified as a human carcinogen.
Signs/Symptoms of Exposure: Burning eyes, skin and respiratory irritation.

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Section VI: HEALTH HAZARDS

Emergency First Aid:

Skin: Remove contaminated clothing. Wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persist.

Ingestion: Rinse mouth with water, provided person is conscious and contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

Section VII: SAFE HANDLING

Chemical Release or Spill: Isolate the spill area with sand, or other absorbent material. Place all contaminated material in a closed container for disposal. Neutralize with dilute acetic acid

Waste Disposal Method: All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storing: Use normal precautions for corrosive liquids. Avoid excessive heat.

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required if used in a ventilated area.

Ventilation: In ventilated areas, mechanical exhaust is sufficient.

Protective Gloves: Chemical resistant *Eye Protection:* Safety glasses
Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Astraldiagnostics shall not be held liable for any damage resulting from handling or contact with this product.

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