

MATERIAL SAFETY DATA SHEET

Hazard Ratings		Health	1
4-Extreme	1-Slight	Fire	0
3-High	0-Insignificant	Reactivity	0
2-Moderate	X-See Text	Specific	X

Manufacturer Information:

L & C Enterprises, L. M. A.

2357 Hwy. 53

Poplarville, MS 39470

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SECTION 1: IDENTIFICATION

PRODUCT NAME:

RINSE AID

CAG510

SECTION 2: HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS:	See CFR29	1910.1200 (i)-(13)		
CHEMICAL/COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
Light Napthenic Pet. Distillates	64742-53-6	>1	5mg/m3	5mg/m3
2 Butoxy Ethanol (Skin)	111-76-2	>1	50PPM	25PPM
Quaternary Amine	Mixture	>1	N/A	N/A
THIS PRODUCT HAS NO CARCINOGENS		(NTP, IARC, OSHA)		

SECTION 3: HEALTH HAZARD DATA

HEALTH EFFECTS (Acute and Chronic)

ACUTE

- Eyes--- Vapors, liquids and mist are extremely corrosive to the eyes.
- Skin---Corrosive to skin.
- Inhalation---Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
- Ingestion---Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

CHRONIC

- May result in areas of destruction of the skin tissue.
- Overexposure to glycol ethers (in it's pure state) has been found to cause anemia, liver abnormalities, kidney damage, lung damage and blood abnormalities in laboratory animals.
- May result in areas of destruction of skin tissues or primary irritant dermatitis. Inhalation of dust or mist may cause varying degrees of damage to the affected tissue. May cause skin sensitization and body rash.

PRIMARY ROUTES OF ENTRY: a) Skin b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

EMERGENCY FIRST AID PROCEDURES:

- a) Skin--- immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes. Wash before reuse.
- b) Eyes---Flush immediately with large quantities of running water for at least 15 minutes. Consult physician.
- c) Inhalation---If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion--- Do not induce vomiting. Call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 4: CHEMICAL DATA

BOILING POINT (F).....:	>212
SPECIFIC GRAVITY (WATER=1).....:	0.945
VAPOR PRESSURE (mmHg)	<17.00
PERCENT VOLATILE BY VOLUME (%)	>85.00
VAPOR DENSITY (AIR=1)....	0.6
EVAPORATION RATE (WATER=1).....:	1
SOLUBILITY IN WATER:	100%
APPEARANCE AND ODOR INFORMATION:	Pink liquid with a peculiar odor

SECTION 5: PHYSICAL HAZARD DATA

FLASH POINT (Method Used): None FLAMMABLE LIMITS: LEL=N/A UEL=N/A

EXTINGUISHING MEDIA: Product is not a fire hazard, but residue can burn after water evaporates, in case of fire, water spray, carbon dioxide, alcohol type foam applied. Keep containers cool with water spray using fog nozzles.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

INCOMPATIBILITY (Material To Avoid): Avoid contact with acids and strong oxidizers such as permanganate, chlorine, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce oxides of carbon and traces of hydrocarbons.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

THIS PRODUCT IS STABLE.

SECTION 6: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb the large spill on suitable absorbent. Wash the residue the Drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water.

WASTE DISPOSAL METHODS: Dispose of according to local, state and federal for biodegradable detergents.

SECTION 7: EXPOSURE CONTROL INFORMATION

VENTILATION

LOCAL EXHAUST: Below TL (s)

MECHANICAL (General): Explosion Proof

SPECIAL.....: N/A

OTHER.....: N/A

RESPIRATORY PROTECTION: An appropriate NIOSH approved hydrocarbon canister or respirator for organic vapor should be worn if needed.

PROTECTIVE GLOVES: Wear---resistant gloves such as nitrile rubber, PVC, etc.

OTHER PROTECTIVE EQUIPMENT: Eye wash and quick drench facilities.

OTHER ENGINEERING CONTROLS: None Known

WORK PRACTICES: Eye wash fountain and safety shower should be easily accessible. Discard properly such as rags and trash soaked with the product. Provide adequate ventilation.

HYGIENIC PRACTICES: Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reuse.

SECTION 8: SPECIAL PRECAUTION

PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing condition or above 120 degrees F.
- b) Protect from physical damage and keep tightly closed.
- c) Do not store near acids or acidic materials and oxidizers.

MAINTENANCE PRECAUTIONS: When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS: Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warning.

SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED:

KEEP OUT OF REACH OF CHILDREN