

SECTION 1

Manufacturer

Address:

Lube Cool

Lube Cool 4800

SECTION 2

HAZARDOUS INGREDIENTS

Chemical Name	Exposure Limit	CAS No.	% (by wt)
MONOETHANOL AMINE	3 ppm OSHA PEL	141-43-5	<10
TRIETHANOLAMINE	NOT ESTABLISHED	102-71-6	<15
TRIS HYDROXY ETHYL TRIAZINE	NOT ESTABLISHED	4719-04-4	< 5
AMINE SALTS OF ORGANIC ACIDS	NOT ESTABLISHED	MIXTURE	< 5

SECTION 3 PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 212 F	Specific Gravity: 1.050
Vapor Pressure: NOT AVAILABLE	Vapor Density: >1 (AIR=1)
Solubility in Water: COMPLETE	Reactivity in Water: NOT APPLICABLE
Appearance / Oder: ORANGE LIQUID / AMINE	Melting Point: NOT APPLICABLE

SECTION 4 FIRE AND EXPLOSION DATA

Flash Point: NONE TO BOILING	Explosion Limits (upper) NOT APP. (lower) NOT APP.
Auto-Ignition Temperature: NONE	
Extinguisher Media: SUITABLE FOR NEARBY COMBUSTIBLE MATERIALS	
Special Fire Fighting Procedures	NONE
Unusual Fire / Explosion Hazards	NONE

SECTION 5 PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: STABLE	Conditions to Avoid: NONE KNOWN
Incompatibility: AVOID CONTACT WITH STRONG OXIDIZING AGENTS	
Hazardous Decomposition Products: NONE	
Hazardous Polymerization: WILL NOT OCCUR	

SECTION 6 HEALTH HAZARDS

HEALTH HAZARDS / ROUTES OF ENTRY

- Skin Contact:** MAY CAUSE IRRITATION OF SKIN. REPEATED OR PROLONGED CONTACT MAY CAUSE DRYING AND DEFATTING OF SKIN.
- Eye Contact:** CAUSES IRRITATION AND REDNESS OF EYES. MATERIAL IS MODERATELY ALKALINE AND MAY CAUSE MORE SERIOUS DAMAGE IF LEFT UNTREATED.
- Inhalation:** INHALATION IS UNLIKELY DUE TO LOW VAPOR PRESSURE. INHALATION OF MISTS CAN CAUSE RESPIRATORY IRRITATION.
- Ingestion:** PRODUCT HAS A LOW ORDER OF ORAL TOXICITY. INGESTION OF CONCENTRATED PRODUCT CAN CAUSE DIGESTIVE IRRITATION AND NAUSEA

FIRST AID / EMERGENCY PROCEDURES

- Skin Contact:** WASH CONTAMINATED AREA THOROUGHLY WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.
- Eye Contact:** FLUSH EYES WITH CLEAN WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION
- Inhalation:** MOVE VICTIM AWAY FROM EXPOSURE AND INTO FRESH AIR. IF VICTIM IS NOT BREATHING BEGIN ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION IMMEDIATELY.
- Ingestion:** DO NOT INDUCE VOMITTING UNLESS DIRECTED BY A PHYSICIAN. SEEK MEDICAL ATTENTION.

Chronic Effects: PROLONGED OVEREXPOSURE TO ALKANOLAMINES HAS BEEN SHOWN TO CAUSE LIVER AND KIDNEY DAMAGE IN ANIMALS. DO NOT INGEST.

Carcinogenicity: THIS PRODUCT DOES NOT CONTAIN ANY MATERIALS KNOWN OR SUSPECTED TO BE A CARCINOGEN BY NTP, IARC, OR OSHA

SECTION 7 SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES

Precautions Handling and Storage	FULL AND EMPTY DRUMS SHOULD BE STORED IN A COOL DRY WELL VENTILATED AREA.
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Spill or Leak Procedures	ABSORB WITH SAND OR OTHER ABSORBENT MATERIAL AND SHOVEL INTO AN APPROPRIATE CONTAINER. CARE LARGE SPILLS TO AVOID DISCHARGE INTO WATER SYSTEMS. SMALL SPILLS CAN BE NEUTRALIZED AND FLUSHED WITH WATER.
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Waste Disposal Method: IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

SECTION 8 SPECIAL PROTECTION / CONTROL MEASURES

Respiratory Protection: NOT REQUIRED WHEN USED AS DIRECTED. AVOID BREATHING VAPORS FROM CONCENTRATED PRODUCT.

Ventilation: LOCAL MECHANICAL EXHAUST OR ROOM VENTILATION NORMALLY SUFFICIENT. STORE CONCENTRATED PRODUCT IN CLOSED CONTAINERS.

Protective Gloves: RUBBER	Eye Protection: SAFETY SHIELD / GOOGLES
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Other Protective Clothing or Equipment	EYE BATH AND SAFETY SHOWER SHOULD BE PRESENT IN WORK AREA
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Work /Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES. WASH THOROUGHLY AFTER USE. DO NOT INGEST