

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

Eddystone Industrial Park
2000 Industrial Highway
Eddystone, PA 19022-1513

Product: **SYNTHETIC COOLANT 493**

Daytime Telephone: (610) 876-9906
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: M0493R - Rev 3.0 Date: 03/95
Replaces - Rev 2.1 05-90
Purpose - Format Change

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: SYNTHETIC COOLANT 493
Chemical Name/Synonym: PROPRIETARY BLEND
Chemical Family: ALKANOLAMINE / BORATE COMPOUND
Formula: PROPRIETARY
Product Code: M0493R

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

Product Description: SYNTHETIC METALWORKING COOLANT/LUBRICANT

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: >100C (212F) Solubility in Water: Complete
Vapor Pressure: < 1 (mmHg) Specific Gravity: 1.05 (H₂O=1)
Vapor Density: (AIR=1): >1 % Volatile by Volume: Nil
Appearance: Clear amber liquid Odor: Mild Amine
pH: 8.9 ± 0.1, as received

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
*Trihydroxyethylamine	102-71-6	15-30	3 ppm, TWA	5 mg/m ³ TWA
Inert and/or non-hazardous components		70-80		

*Component hazardous according to OSHA (1910.1200) or one or more state Right-To-Know lists.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: >190°F
Extinguishing Media: Small Fire: CO₂, water fog, dry chemical. Large Fire: Alcohol-type or all-purpose-type foams.
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability: Stable .
Incompatibility: Strong oxidizers.
Hazardous Decomposition Products: Carbon monoxide may form upon thermal degradation.
Hazardous Polymerization: Will not occur.

- Continued -

-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT: May cause irritation.
SKIN CONTACT: Prolonged contact may cause dryness and dry skin irritation.
INHALATION: No data - situation not normally encountered. Components show low level toxicity.
INGESTION: Not determined.
EFFECTS OF OVEREXPOSURE: None currently known, other than dry skin dermatitis.
NTP/IARC: None of the ingredients currently listed.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.
SKIN: Flush with water; wash with soap and water after handling.
INHALATION: Remove to fresh air.
INGESTION: DO NOT INDUCE VOMITING - Seek medical attention.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION: None normally required; product normally does not produce vapors or mist.
RESPIRATORY PROTECTION: None normally required; NIOSH approved respirator for mist conditions.
PROTECTIVE CLOTHING: Chemical resistant gloves when mixing or handling.
EYE PROTECTION: Tight fitting or chemical workers goggles if splashing is anticipated.

-- SECTION 10 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations forbid transportation of partially filled and unclosed containers.

D.O.T.: Shipping Information: Synthetic Coolant, Liquid, Unregulated /or/ Alkaline Cleaning Liquid, Unregulated

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for components of this material): A) Sections 311/312 - *Listed*; B) Section 313 - *Not Listed*; C) Section 302 - *Not Listed* as an Extremely Hazardous Substance.

CERCLA Information (for the components: *Not Listed* in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs.

State Right To Know Lists: Triethanolamine as a component of this product, listed in Pennsylvania, Florida, Rhode Island

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

The information herein is given in good faith, but no warranty, express or implied, is made.