

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

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Eddystone, PA 19022-1513

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24 Hour Emergency: CHEMTREC® (800) 424-9300

Product: **HTCB Syn 100**

MSDS No.: LHTCBL100 - Rev.1.0 Date: 03/04  
Replaces – None – Original MSDS  
Updated Sections: None

### -- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:..... HTCB Syn 100  
Chemical Name/Synonym:..... PROPRIETARY BLEND  
Chemical Family:..... SYNTHETIC LUBRICANTS  
Formula:..... PROPRIETARY  
Product Code:..... LHTCBL100

Product Description: Synthetic di-ester based lubricating compound

HMIS / NFPA		
<u>Hazard Rating:</u>		<u>Legend:</u>
Health:.....	1	0 - Least
Fire:.....	1	1 - Slight
Reactivity:.....	0	2 - Moderate
		3 - High
		4 - Severe

### -- SECTION 02 - PHYSICAL DATA --

Boiling Point: ..... >390° F (265° C)  
Vapor Pressure: ..... <1 (mmHg) @ 68° F (20° C)  
Vapor Density: ..... N/A (AIR=1)  
Appearance: ..... Clear, honey-colored liquid  
Flash Point: ..... >500° F

Solubility in Water: ..... < 0.1% (negligible)  
Specific Gravity: ..... 0.95 (H<sub>2</sub>O=1)  
% Volatile by Volume: ..... N/A  
Odor: ..... Mild, sweet  
Smoke: ..... None

### -- SECTION 03 - INGREDIENTS IDENTITY INFORMATION --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polymerized, fatty acid 2-ethylhexyl ester	68424-40-8	None Listed	None Listed
Tricresyl Phosphate	1330-78-5	None Listed	None Listed
Triaryl Phosphates	68937-40-6	None Listed	None Listed
Tert-Butylated Triphenyl Phosphate	115-86-6	None Listed	None Listed
Proprietary Additive Blend	Mixture	None Listed	None Listed

Curtis/GlenChem Corp recommends a TLC of 5 mg/m<sup>3</sup> as a precautionary good manufacturing safety practice for this blend where no other data is available.

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

Flash Point: ..... > 600° F (ASTM D-92)  
Flammable Limits: ..... LEL: Unknown UEL: Unknown  
Extinguishing Media: ..... Small Fire: CO<sub>2</sub>, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam; water to cool adjacent containers.  
Special Fire Fighting Procedures: ..... Use self-contained breathing apparatus.  
Unusual Fire /Explosion Hazards: ..... None

**SECTION 05 - REACTIVITY DATA --**

Stability: ..... Stable.  
Incompatibility: ..... Strong oxidizers – acids or alkali.  
Hazardous Decomposition Products: ..... Carbon monoxide, carbon dioxide, oxides of sulfur, nitrogen and phosphorus.  
Hazardous Polymerization: ..... Will not occur.

**-- 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, redness or possible damage if not irrigated immediately.  
SKIN CONTACT: ..... Prolonged contact may cause dryness and dry skin irritation.  
INHALATION:..... Product mist may cause nasal and respiratory irritation..  
INGESTION: ..... May damage mucous membranes.  
EFFECTS OF OVEREXPOSURE:..... None currently known.  
IARC and NTP ..... NONE of the ingredients in this product are listed by the NTP, IARC, or OSHA as possible carcinogens.

**-- 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. **Never give anything by mouth to an unconscious person.**

**-- 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.  
OTHER PROTECTIVE GEAR: ..... Coveralls, eye wash station and emergency shower.

**-- SECTION 10 - REGULATORY 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 Classification: Synthetic Lubricant - UNREGULATED  
TSCA - All components of this material are listed on the TSCA Inventory.  
SARA Title III Information for all components of this material): A) Sections 311/312 - Not Listed; B) Section 313 - Not Listed; C) Section 302 - Not Listed as an Extremely Hazardous Substance.  
CERCLA Information for all components: Not Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance.

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.

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