

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

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

Product: **FORMULA HO**

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

MSDS No.: M0120 - Rev. 4.0 Date: 08/97  
Replaces - Rev. 3.0 01/97  
Reason: Format Change

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

Product or Trade Name: ..... FORMULA HO  
Chemical Name/Synonym: ..... PROPRIETARY BLEND  
Chemical Family: ..... COMPOUNDED LUBRICATING OILS  
Formula: ..... PROPRIETARY  
Product Code: ..... M0120

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

Product Description: HONING OIL

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

Boiling Point: ..... > 500°F                      Solubility in Water: ..... Nil (Not Miscible)  
Vapor Pressure: ..... 0 (mmHg) @ 20°C                      Specific Gravity: ..... 0.84 (H<sub>2</sub>O=1)  
Vapor Density: ..... N/A (AIR=1)                      % Volatile by Volume: ..... 0  
Appearance: ..... Clear light amber liquid                      Odor: ..... Mild Petroleum  
pH: ..... N/A

### -- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Hydrocarbon Distillates containing or similar to:	64742-46-7	80	N/E (Should observe TWA/PEL of 5 mg/m <sup>3</sup> )	N/E
Inert and/or non-hazardous components	-----	20	-----	-----

\* Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

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

Flash Point: ..... > 275° F (COC)  
Extinguishing Media: ..... Small Fire: CO<sub>2</sub>, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.  
Special Fire Fighting Procedures: ..... Use self-contained breathing apparatus; *do not use water spray* as it may only spread fire.

### -- SECTION 05 - REACTIVITY DATA --

Stability: ..... Stable under normal conditions.  
Incompatibility: ..... Strong oxidizers (hydrogen peroxide, bromine, chromic acid, chlorine, etc.).  
Hazardous Decomposition Products: ..... Carbon monoxide and carbon dioxide.  
Hazardous Polymerization: ..... Will not occur.

- Continued on following page-

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

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper solid waste 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 solid waste 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 if not irrigated immediately.

SKIN CONTACT: ..... Prolonged contact may cause dryness and dry skin irritation. Acute dermal LD<sub>50</sub> is greater than 2 g/kg.

INHALATION: ..... Avoid oil mist situations.

INGESTION: ..... Acute oral LD<sub>50</sub> is greater than 5 g/kg..

EFFECTS OF OVEREXPOSURE: ..... None otherwise currently known.

IARC and NTP ..... NONE of the ingredients in this product are listed by the NTP, IARC, or OSHA as possible carcinogens or mutagens. Observe good hygiene when using this or any oil or chemical product.

## -- 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. Remove contaminated clothing.

INHALATION: ..... Remove to fresh air. Seek medical assistance.

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; Local exhaust adequate, or mechanical if required to maintain allowable PEL or TLV.

RESPIRATORY PROTECTION: ..... None normally required; NIOSH approved respirator for oil mist conditions.

PROTECTIVE CLOTHING: ..... Chemical resistant gloves (neoprene) when mixing or handling.

EYE PROTECTION: ..... Tight fitting or chemical workers goggles if splashing is anticipated.

## -- 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: Honing Oil, Unregulated

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

SARA Title III Information (for petroleum distillates as a components of this material): A) Sections 311/312 - None; 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 hazardous substances with NRC RQs. Observe protocol for oil spills.

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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