

10-391200

Dear Customer: This Bulletin contains important information on health and safety hazards for your employees who recently ordered the product. Please make sure the information is given to them. If you recall the product, this Bulletin should be given to the Buyer. This Form may be reproduced without permission.

Chevron U.S.A. Inc.



Material Safety Data Sheet

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) (Formerly Called MATERIAL INFORMATION BULLETIN)

CP# 334211

TCM DISTRIBUTOR BLOCK LUBRICANT
P/N 10-391200

TYPICAL COMPOSITION

Highly refined base oils (CAS 64742-85-0, 64741-88-4, 64742-54-7)	>99%
Additives including defoamer, metal deactivator, antioxidant and antirust agent.	<1%

EXPOSURE STANDARD

No Federal OSHA exposure standard or ACGIH TLV has been established for this material. Based on information reviewed to date, we recommend an exposure standard of 5 mg/m³. This is the Federal OSHA exposure standard and the ACGIH (1984-85) TLV for mineral oil mists.

PHYSIOLOGICAL & HEALTH EFFECTS

Expected to cause no more than minor eye irritation.

Eyes

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.

Expected to cause no more than minor skin irritation following prolonged or frequently repeated contact.

Skin

Wash skin thoroughly with soap and water. Launder contaminated clothing.

Not expected to be acutely toxic by inhalation. Breathing mineral oil mist at concentrations in air that exceed the recommended exposure standard can cause respiratory irritation or discomfort. See Additional Health Data.

Inhalation

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

Not expected to be acutely toxic by ingestion.

Ingestion

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804-0054
Emergency Phone Number (415) 233-3717

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No. FPO146
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MSDS North America/ANST 7406.1.1/USA / ENGLISH / ENGLISH

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Product Name **ENERGOL® HL-C 115** **MSDS#** **000000866**
(Formerly TURBINOL® T) **Historic MSDS#:** **2405 (BP)**

Supplier **BP Lubricants North America**
5800 Plank Highway
Baltimore, Maryland 21220-2496
1 (800) 447-8735

EMERGENCY HEALTH INFORMATION: **1 (800) 424-8300**
EMERGENCY SPILL INFORMATION: **CHEMTREC (USA)**

OTHER PRODUCT INFORMATION **1 (866) 4 BP - MSDS**
(888-427-8737 Toll Free - North America)
email: bpcores@bp.com

Section 2: Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	54742-85-0	90-100	ACGIH (United States): TWA: 5 mg/m ³ Form: OIL MIST, MINERAL STEL: 10 mg/m ³ Form: OIL MIST, MINERAL OSHA (United States): PEL: 5 mg/m ³ Period: 8 hour(s). Form: OIL MIST, MINERAL

Section 3: Hazards Identification

Physical state **Oil liquid.**
Color **Amber. (Light)**

Emergency Overview
 This product has been evaluated and does not require any hazard warning on the label under established regulatory criteria.
 Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

POTENTIAL HAZARDOUS EFFECTS

Eye **No significant health hazards identified.**

Skin **Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first; within a few hours, tissue will become swollen, discolored and extremely painful.**

Inhalation **Mist: May cause respiratory tract irritation.**

Ingestion **Causes gastrointestinal irritation and diarrhea.**

See Toxicological Information (section 11)

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Section 4. First Aid Measures:

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs. Accidental high pressure injection through the skin requires immediate medical attention.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Section 5. Fire Fighting Measures

Flammability of the Product	May be combustible at high temperature.
Autoignition Temperature	Not available.
Flash Points	OPEN CUP: 255°C (485°F) (Cleveland).
Flammable Limits	Not available.
Products of Combustion	carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...), other hazardous substances.
Unusual fire/explosion hazards	None identified. This material is not explosive as defined by established regulatory criteria.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire)	Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

Section 6. Accidental Release Measures

Large Spill and Leak	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills like spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.
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Section 7. Handling and Storage

Handling	Avoid breathing vapors or spray mists. Do not ingest. Wash thoroughly after handling. Avoid prolonged or repeated contact with skin.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the workstation location.
Personal Protection	
Eyes	Safety glasses with side shields.
Skin and Body	Avoid prolonged or repeated contact with skin. Wear protective clothing if prolonged or repeated contact is likely.
Respiratory	None required; however, use of adequate ventilation is good industrial practice. If ventilation is inadequate, use a NIOSH certified respirator with an organic vapor cartridge and P95 particulate filter.
Hands	Wear protective gloves if prolonged or repeated contact is likely.

Chemical name	Exposure Limits
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFIN	ACGIH (United States): TWA: 5 mg/m ³ Form: OIL MIST, MINERAL STEL: 10 mg/m ³ Form: OIL MIST, MINERAL OSHA (United States): PEL: 5 mg/m ³ Period: 8 hour(s). Form: OIL MIST, MINERAL

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Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Oily liquid.	Odor	Not available.
pH	Not applicable.	Color	Amber. (Light)
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	Not available.		
Pour Point	-27 C (-16 F)		
Specific Gravity	0.886 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	>1 (Air = 1)		
Odor Threshold	Not available.		
Evaporation Rate	Not available.		
Viscosity	Kinematic (40C): 107.9 cSt		
LogK _{ow}	Not available.		
Solubility	Insoluble in cold water.		

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions to avoid	Keep away from heat, sparks and flames. Keep away from sources of ignition.
Incompatibility with Various Substances	Strong oxidizing materials, strong acids, strong alkalis.
Hazardous Decomposition Products	Products of Combustion: carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃), other hazardous substances.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	LD50 Not available. LC50 Not available.
Chronic toxicity	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).
Other information	No significant health hazards identified.

Section 12. Ecological Information

Ecotoxicity	Ecological testing has not been conducted on this product by BP.
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Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.
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Section 14. Transport Information		
DOT Classification	Not a DOT controlled material (United States).	
	Not regulated.	
Marine Pollutant	Not pollutant.	
Special Provisions for Transport	None identified.	
ADR/RID Classification		
UN number	Not applicable.	
Proper shipping name	Not regulated.	
ADR/RID Class	Not applicable.	
Packing Group	Not applicable.	
IMO/IMDG Classification		
Proper shipping name	Not regulated.	
IMDG Class	Not applicable.	
UN number	Not applicable.	
Packing Group	Not regulated.	
Marine Pollutant	Not pollutant.	
ICAO/IATA Classification		
Proper shipping name	Not regulated.	
IATA Class	Not applicable.	
UN number	Not applicable.	
Packing Group	Not applicable.	

Section 15. Regulatory Information

U.S. Regulations	<p>US INVENTORY (TSCA): Listed on inventory.</p> <p>SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.</p> <p>SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): Defined as non-hazardous by OSHA under 29 CFR 1910.1200(d).</p> <p>SARA 313 toxic chemical notification and release reporting: No products were found.</p> <p>CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This material is not regulated under CERCLA Sections 103 and 107.</p>
State Regulations	<p>No products were found.</p> <p>California prop. 65: No products were found.</p>
Other Regulations	<p>AUSTRALIAN INVENTORY (AICS): Not determined.</p> <p>CANADA INVENTORY (DSL): In compliance.</p> <p>CHINA INVENTORY (IECS): Not determined.</p> <p>EC INVENTORY (EINECS/ELINCS): Not determined.</p> <p>JAPAN INVENTORY (ENCS): Not determined.</p> <p>KOREA INVENTORY (ECL): Not determined.</p> <p>PHILIPPINE INVENTORY (PICCS): Not determined.</p>

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Section 16. Other Information

Label Requirements

This product has been evaluated and does not require any hazard warning on the label under established regulatory criteria.

Hazardous Material Information System (U.S.A.)



0 National Fire
1 Protection Association
0 (U.S.A.)



HISTORY

Date of issue: 5/15/2002.
Version: 1
Prepared by: Product Stewardship

Notice to Reader

NOTICE: This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product. This Material Safety Data Sheet conforms to the requirements of ANSI Z399.1.

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