

Material Safety Data Sheet

A. Chemical Product and Company Identification

Product Name: TranSynd

General Use: See Product Data Sheet

Product Description: See Product Data Sheet.

MSDS Code: 27101C

Synonyms/Trade Names: Same as product name.

Manufacturer: Castrol Heavy Duty Lubricants Inc

Address (Line 1): 9300 Pulaski Highway

Address (Line 2): Baltimore, MD, 21220

Emergency Phone: 1-800-424-9300 (CHEMTREC)

Information Phone: 1-888.ATF.Lube (1-888-283-5823)

Regulatory Questions/MSDS Preparation - SHEA Department

Product Chemistry/Application Questions - Technical Support

If available in Canada, this product is supplied by:

Castrol Canada Inc.

3660 Lakeshore Blvd. West

Toronto, Ontario M8W 1P2

Information Phone: 416-252-5511

B. Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>%</u>
DISTILLATES, PETROLEUM, SOLVENT-REFINED	64741-89-5	1 - 5%
LIGHT PARAFFINIC		

Contains no other ingredients now known to be hazardous as defined by OSHA

CAS Number
64741-89-5 5mg/M3

Exposure Guideline
If applicable, the exposure limits listed are found in the ACGIH TLV guide for TWA unless otherwise noted.

313 Listed Chemicals: If none listed here, or in Section O, there are no 313 chemicals present above threshold value.

C. Hazards Identification

EMERGENCY OVERVIEW

Appearance: Clear red liquid; mild oil odor.

NFPA: Health 1 Flammability 1 Reactivity 0

Special Potential Health Effects

Eye: May cause eye irritation.

Skin Contact: Concentrate may cause skin irritation.

Skin Absorption: No acute effects expected.

Ingestion: This product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea, and abdominal pain. Inhalation: Inhalation of high concentrations of mists may produce irritation and damage to the respiratory tract. Chronic Effects: A review of the literature does not show obvious long-term hazard. Carcinogenicity: No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA, unless otherwise noted in Section P - Other Information.

Routes of Exposure: Skin contact. Eye contact. Inhalation.

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D. First Aid Measures

Eye: In case of contact, flush eyes with plenty of water. Get medical attention if irritation occurs.

Skin: In case of contact, wash skin with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation persists. Wash clothing before reuse. Use skin cream for defatted areas.

Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe damage. Do not leave victim unattended. If vomiting occurs, victim is comatose or lethargic, place on the left side with the head down. Seek immediate medical attention.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

E. Fire Fighting Measures

Flammable Properties

Flash Point (degrees F/C): 449°F / 232°C Method: COC

Upper Flammable Limit: ND

Lower Flammable Limit: ND

Auto Ignition Temperature: Not determined

Hazardous Products of Combustion: Formaldehyde. Upon combustion: oxides of carbon, nitrogen and sulfur.

Properties That Could Increase Fire or Explosion Hazard: None known.

Extinguishing Media: Water, dry chemical, CO₂, or alcohol foam.

Fire Fighting Instructions: Water or foam may cause frothing. Use water to keep fire exposed container cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams or drinking water supply.

F. Accidental Release Measures

Large spills: wear appropriate protective clothing. Stop source of leak if possible. Dike, contain spill and recover free liquid. Prevent entry into waterways. Soak up residue with an inert absorbent such as clay, sand or other suitable materials; Store and dispose of properly. Flush area with water. Where feasible and appropriate, remove contaminated soil. Small spills: Neutralize and/or soak up spill with inert absorbent. Store in a closed container and dispose of properly.

G. Handling and Storage

Maintain ambient temperatures. Avoid prolonged/repeated breathing of vapors, mists, and fumes. Keep container tightly closed. Do not store near heat, flame, and strong oxidants. Maintain adequate ventilation.

H. Exposure Controls/Personal Protection

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety glasses with side shield or chemical goggles.

Skin Protection: Use neoprene type gloves when handling this product.

Respiratory Protection: Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the threshold limit value (TLV), if applicable. If an applicable TLV is exceeded provide NIOSH approved respiratory protection.

Other: Eyewash facility. Appropriate clothing to avoid skin contact.

Exposure Guidelines: See information provided in Section B, Ingredients.

I. Physical and Chemical Properties

Appearance and Odor: Clear red liquid; mild oil odor.

PH (conc.): Not applicable

Vapor Pressure (mm Hg): ND

Vapor Density (Air = 1): ND

Boiling Point (degrees F/C): NA

Freezing Point (degrees F/C): Not determined

Melting Point (degrees F/C): Not known / Not known

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Solubility in Water: NEGLIGIBLE
Specific Gravity at 60 degrees F (H₂O = 1): 0.8433+/-0.05
Density: Not calculated
Softening Point (degrees F): Not determined
Evaporation Rate (n-Butyl Acetate = 1): ND
Viscosity: 7.6 @ 100°C cSt
Bulk Density: Not determined
% Volatile: NA
VOC: Not tested
Method: Not Tested
Octanol/Water Partition Coefficient: Not determined
Saturated Vapor Concentration: Not determined
Molecular Weight: Not applicable

J. Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Conditions To Avoid: None known.
Incompatibility With Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Formaldehyde. Upon combustion: oxides of carbon, nitrogen and sulfur.

K. Toxicological Information

Eye Effects: May cause eye irritation.
Skin Effects, Contact: Concentrate may cause skin irritation.
Skin Effects, Absorption: No acute effects expected.
Acute Oral Effects (Ingestion): This product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea, and abdominal pain.
Acute Inhalation Effects: Inhalation of high concentrations of mists may produce irritation and damage to the respiratory tract.
Chronic Effects: A review of the literature does not show obvious long-term hazard.
Carcinogenicity: No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA, unless otherwise noted in Section P - Other Information.

L. Ecological Information

Ecotoxicological Information: No specific ecological data available for this product.

M. Disposal Considerations

US EPA Hazardous Waste Numbers: This product as purchased does not fall under current U.S. EPA RCRA definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal.

General Disposal Considerations: Dispose of in accordance with local, state and federal regulations. Federal law may ban disposal of this material to the land (40 CFR 268).

CERCLA Reportable Quantity: This product does not contain any CERCLA-regulated materials.

N. Transport Information

Hazardous Materials Description/Proper Shipping Name: Not Regulated.
Hazard Class: Same As Above
Identification Number (UN or NA Number): Same As Above
Packing Group: Same As Above

O. Regulatory Information

U.S. Federal Regulations: Hazardous per OSHA 29 CFR 1910.1200: Yes
CERCLA/EPCRA: Section 302 Extremely Hazardous Substances (EHS): No listed ingredients are present on the 302 lists.

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Section 311/312 Hazard Class (Classes):

Immediate: YES

Delayed: NO

Fire: NO

Reactivity: NO

Sudden Release of Pressure: NO

Section 313 Toxic Chemicals: If none listed here or in Section B, there are no 313 chemicals present above threshold value.

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification: Material is not a "controlled product".

Other U.S. Federal Regulations: This product is a mixture and is NOT listed in the TSCA inventory. The individual ingredients in the product ARE listed in the TSCA inventory.

CEPA Status: This product may contain components, which do not appear on the Canadian Environmental Protection Act Domestic Substance List.

P. Other Information

No component known to be present in this product at > 0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

PETROLEUM OIL: STEL = 10 mg/M3.

Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section B are classified by the supplier as severely processed. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

Q. Disclaimer

Information presented herein has been compiled from information provided to us by our suppliers and other sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or the use of any product in violation of any patent, or in violation of any law or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose, and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, must necessarily disclaim all liability with respect to the use of any material supplied by us.