

MATERIAL SAFETY DATA SHEET

Page 1 of 6  
Revised 5/25/99  
Replaces 5/21/99  
Printed 10/05/99

TRANSYND  
SPD

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

John Deere  
8503-40,540  
TY25007

Manufacturer: Castrol Industrial North America Inc.  
Address (Line 1): 1001 West 31st Street  
Address (Line 2): Downers Grove, IL 60515-1280  
Emergency Phone: 1-800-424-9300 (CHEMTREC)

Information Phone: 1-800-621-2661  
Regulatory Questions - Safety, Health & Environmental Affairs  
Product Chemistry/Application Questions - Technical Support

B. Composition/Information on Ingredients

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

Contains no other ingredients now known to be hazardous as defined by OSHA  
313 Listed Chemicals  
If none listed here, there are no 313 chemicals present above threshold val e.

CAS Number      Exposure Guideline

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

64741-89-5      5mg/M3

C. Hazards Identification

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*

Appearance:  
Clear, red liquid; mild oil odor.

NFPA: Health 1      Flammability 1      Reactivity 0      Special  
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**MATERIAL SAFETY DATA SHEET**

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Page 2 of 6  
Revised 5/25/99  
Replaces 5/21/99  
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SPD

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**C. Hazards Identification (Cont.)**

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**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**

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**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, or if 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.

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**E. Fire Fighting Measures**

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**Flammable Properties**

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

Upper Flammable Limit: ND

Lower Flammable Limit: ND

Autoignition Temperature: Not determined

Hazardous Products of Combustion: Potential combustion products are carbon, nitrogen, and sulfur.

**Extinguishing Media:** Water, dry chemical, CO<sub>2</sub>, 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.

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**MATERIAL SAFETY DATA SHEET**

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Page 3 of 6  
Revised 5/25/99  
Replaces 5/21/99  
Printed 10/05/99TRANSYND  
SPD

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**F. Accidental Release Measures**

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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.

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**G. Handling and Storage**

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

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**H. Exposure Controls/Personal Protection**

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**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 the associated TLV is exceeded, provide NIOSH approved respiratory protection.

Other: Impervious protective clothing and chemical resistant safety shoes should be worn to minimize contact. Wash contaminated clothing with soap and water and dry before reuse. Emergency shower and eyewash facility should be provided in all areas in which this product is handled.

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

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**I. Physical and Chemical Properties**

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**Appearance/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 / NA

Freezing Point (degrees F/C): not determined

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

Solubility in Water: NEGLIGIBLE

Specific Gravity at 60 degrees F (H<sub>2</sub>O = 1): 0.8433 +/-0.05

Density: Not calculated

Softening Point (degrees F): Not determined

Evaporation Rate (n-Butyl Acetate = 1): ND

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**MATERIAL SAFETY DATA SHEET**

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Page 4 of 6  
Revised 5/25/99  
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TRANSYND  
SPD

---

**I. Physical and Chemical Properties (Cont.)**

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Viscosity: Not available  
Bulk Density: Not determined  
% Volatile: NA  
VOC: Not tested lbs/gallon Method: Not Tested  
Octanol/Water Partition Coefficient: Not determined  
Saturated Vapor Concentration: Not determined  
Molecular Weight: Not applicable

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**J. Stability and Reactivity**

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Chemical Stability: Stable under normal conditions.  
Conditions To Avoid: None known.  
Incompatibility With Other Materials: Strong oxidizers, heat and sources of ignition.  
Hazardous Decomposition Products: Potential combustion products are carbon, nitrogen, and sulfur.

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**K. Toxicological Information**

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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.

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**L. Ecological Information**

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

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**M. Disposal Considerations**

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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.  
Disposal of this material to the land may be banned by federal law (40 CFR

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**MATERIAL SAFETY DATA SHEET**

---

Page 5 of 6  
Revised 5/25/99  
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TRANSYND  
SPD

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**M. Disposal Considerations (Cont.)**

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**N. Transport Information**

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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

Freight Class:

Telephone Number for Transport Instructions: 1-800-621-2661, SHEA Department

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**O. Regulatory Information**

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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 list.

Section 311/312 Hazard Class(es): Immediate: YES Delayed: NO

Fire: NO Reactivity: NO Sudden Release of Pressure: NO

Section 313 Toxic Chemicals:

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.

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**P. Other Information**

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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 II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

CALIFORNIA PROPOSITION 65: Warning! This product may contain trace amounts of benzene, toluene, aniline, & o-methylaniline which the state of

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**MATERIAL SAFETY DATA SHEET**

Page 6 of 6  
Revised 5/25/99  
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**P. Other Information (Cont.)**

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California has found to cause cancer, birth defects, or other reproductive harm.

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**Q. Disclaimer**

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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 users' 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, we must necessarily disclaim all liability with respect to the use of any material supplied by us.