



# DEERE & COMPANY

John Deere Road, Moline, IL 61265  
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## Material Data Safety Sheet

JOHN DEERE PRODUCT NAME: Hy-Gard Transmission and Hydraulic Oil

DATA SHEET NO: 8503-40,100  
LATEST REVISION DATE: 15 Aug. 1999  
DEERE CODE: Y3, Y38, XN, Y4  
JDM PART NO: AR69444, AR69445,  
TY6238, TY6354, TY22028,  
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TY22079, TY22080, TY22092,  
TY24496, TY24761

Part Nos. TY6237 TY6278 End 12/99

### SECTION I - PRODUCT IDENTIFICATION

CHEMICAL NAME AND SYNONYMS: Lubricating Oil; Hydraulic Fluid; J20C  
CHEMICAL FAMILY: Hydrocarbon FORMULA: Complex

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV/PEL	V.P.	CAS.#
Solvent refined, hydrotreated, heavy paraffinic distillate	50-60	5 mg/m <sup>3</sup> *	-	64742547
Solvent refined, hydrotreated, middle distillate	0-25	5 mg/m <sup>3</sup> *	-	64742467
Severely hydrotreated light naphthenic distillate	0-25	5 mg/m <sup>3</sup> *	-	64742536
Polymeric additive in oil (poly-methacrylate)	10-15	None	-	None
Additive containing zinc dialkyl dithiophosphate	5- 6	None	-	Mixture

\*for oil mists

### SECTION III - PHYSICAL DATA

BOILING POINT: N.A. SP. GRAVITY (WATER=1): 0.89  
% VOLATILE VOLUME: N.A. EVAPORATION RATE: N.A.  
VAPOR DENSITY: N.A. SOLUBILITY IN WATER: Insoluble  
APPEARANCE/ODOR: dark amber/slight odor N.A. - not available

### SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 390° F C.O.C. FLAMMABLE LIMIT - LEL: N.A.  
EXTINGUISHING MEDIA: Water fog, foam, dry chemical, carbon dioxide, or halogenated  
agents.  
SPECIAL FIRE FIGHTING PROCEDURES: Do not use a direct stream of water. Product will  
float and can be reignited on surface of water. Cool fire exposed containers with  
water. Use NIOSH approved self-contained breathing apparatus.  
UNUSUAL FIRE & EXPLOSION HAZARDS: None





## ----- SECTION V - HEALTH HAZARD DATA -----

EXPOSURE LIMIT: See Section II - Hazardous Ingredients

EFFECTS OF OVEREXPOSURE: Exposure to vapors or mists of this product may cause mild upper respiratory tract irritation. Prolonged or repeated contact may cause various skin disorders such as dermatitis, oil acne, or folliculitis. Eye contact is minimally irritating. Effects of ingestion are expected to be relatively non-toxic. Exposure to product may aggravate preexisting skin and respiratory conditions.

EMERGENCY & FIRST AID: Eyes - flush with water 15 minutes. Skin - remove contaminated clothing; wash skin with soap and water; if material is injected under the skin, do not wait for symptoms to develop - get medical attention promptly to prevent serious damage. Inhalation - remove victim to fresh air and provide oxygen if breathing is difficult. Ingestion - do NOT induce vomiting. In all cases seek medical attention.

## ----- SECTION VI - REACTIVITY DATA -----

STABILITY: Stable

INCOMPATIBILITY: Avoid open flame, and oxidizing materials

HAZARDOUS POLYMERIZATION: Will not occur

DECOMPOSITION PRODUCTS: Dependent on combustion conditions. A complex mixture of airborne solid, liquid, and gas will evolve when this material undergoes pyrolysis or combustion. Oxides of carbon, sulfur, phosphorous, and other unidentified organic compounds may be formed.

## ----- SECTION VII - SPILL OR LEAK PROCEDURE -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike and contain. Use vacuum or an absorbent such as clay or sand to pick up. Flush area with water to remove trace residue. NOTE: This product is classified as an oil under the Clean Water Act.

Spills, entering surface waters or any watercourse or sewer leading to surface waters, must be reported to the National Response Center 800-424-9802.

WASTE DISPOSAL METHOD: In accord with federal, state, and local regulations

## ----- SECTION VIII - PROTECTIVE EQUIPMENT INFORMATION -----

VENTILATION: Local exhaust to keep TLV/PEL below acceptable levels

RESPIRATOR: NIOSH approved as needed

EYE WEAR: Recommended

GLOVES: Recommended to minimize skin contact OTHER:

## ----- SECTION IX - SPECIAL PRECAUTIONS -----

Minimize skin contact. Wash with soap and water before eating, smoking, or using toilet facilities. Launder contaminated clothing before reuse. Properly dispose of contaminated articles including shoes that cannot be cleaned. Store in a cool, dry place with adequate ventilation. Keep away from open flames. Keep away from children.

## ----- SECTION X - DATA PREPARATION -----

NAME: T. M. Snyder, CIH

TITLE: Industrial Hygienist

SIGNATURE:

DATE: October 7, 1999

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The information contained herein is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendee assumes the risk in use of the material.