

DEERE & COMPANY -- HY-GARD TRANSMISSION AND HYDRAULIC OIL -- 9150-01-084-2103

=====  
Product Identification  
=====

Product ID:HY-GARD TRANSMISSION AND HYDRAULIC OIL

MSDS Date:02/15/1989

FSC:9150

NIIN:01-084-2103

MSDS Number: BGKZG

=== Responsible Party ===

Company Name:DEERE & COMPANY

Address:JOHN DEERE RD

City:MOLINE

State:IL

ZIP:61265

Country:US

Info Phone Num:309-765-4292

Emergency Phone Num:309-765-2767

Preparer's Name:T.M. SNYDER

CAGE:75755

=== Contractor Identification ===

Company Name:BOWERS IMPLEMENT CO, INC.

Address:338 HWY 24-27 BYP

Box:City:ALBEMARLE

State:NC

ZIP:28001

Country:US

Phone:704-983-2161

CAGE:0S185

Company Name:DEERE & COMPANY

Address:400 19TH ST

City:MOLINE

State:IL

ZIP:61265

Phone:(309) 765-2767

CAGE:75755

Company Name:DEERE AND CO

Address:JOHN DEERE RD

Box:City:MOLINE

State:IL

ZIP:61265

Country:US

Phone:309-765-8000

CAGE:75160

=====  
Composition/Information on Ingredients  
=====

Ingred Name:SOLVENT REFINED, HYDROTREATED, HEAVY PARAFFINIC DISTILLATE

CAS:64742-54-7

Fraction by Wt: 50-60%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (MFG)

ACGIH TLV:5 MG/M3 (MFG)

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 0-25%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT  
NAPHTHENIC

CAS:64742-53-6  
RTECS #:PY8036000  
Fraction by Wt: 0-25%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ADDITIVE PACKAGE CONTAINING ZINC DIALKYL DITHIOPHOSPHATE  
Fraction by Wt: 5-6%  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYMERIC ADDITIVE IN OIL (POLY-METHACRYLATE)  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED

=====  
Hazards Identification  
=====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION- IRRITATING TO UPPER  
RESPIRATORY TRACT. EYES: IRRITATING. SKIN: IRRITATION. INGESTION:  
RELATIVELY NON-TOXIC. CHRONIC: DERMATITIS, OIL ACNE, FOLLICULITIS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION: COUGHING, SHORTNESS OF BREATH,  
WHEEZING. EYES: REDNESS, TEARING. SKIN: REDNESS, RASH. INGESTION:  
POSSIBLY MILD NAUSEA.  
Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY  
TRACT DISORDERS MAY BE AGGRAVATED.

=====  
First Aid Measures  
=====

First Aid:INHALE: REMOVE TO FRESH AIR. IF NOT BREATHING RESUSCITATE; IF  
BREATHING DIFFICULT, GIVE OXYGEN. EYES: IMMEDIATELY FLUSH WITH  
PLENTY OF WATER FOR 15 MINUTES. SKIN: WASH WITH SOAP & WATER.  
REMOVE CONTAMINATED CLOTHING & SHOES. INGEST:DO NOT INDUCE VOMIT.  
NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION.

=====  
Fire Fighting Measures  
=====

Flash Point Method:COC  
Flash Point:390F,199C  
Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE,  
HALOGENATED AGENTS.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard:DO NOT USE DIRECT WATER STREAM. PRODUCT  
WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:REMOVE SOURCES OF IGNITION. CONTAIN SPILL.  
VENTILATE AREA. ABSORB WITH INERT MATERIAL. SCOOP UP AND PLACE IN  
CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====  
Handling and Storage  
=====

Handling and Storage Precautions:STORE IN COOL, DRY WELL VENTED LOW FIRE  
RISK AREA. PROTECT FROM HEAT, SHOCK, FRICTION. KEEP CONTAINERS  
CLOSED.  
Other Precautions:KEEP AWAY FROM CHILDREN. KEEP AWAY FROM OPEN FLAME.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED

RESPIRATOR IF PEL/TLV EXCEEDED.  
 Ventilation:USE ADEQUATE MECHANICAL VENTILATION.  
 Protective Gloves:NITRILE  
 Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES  
 Other Protective Equipment:EYE WASH STATION.  
 Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,  
 DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
 Supplemental Safety and Health  
 MSDS DATED 04-15-86/

===== Physical/Chemical Properties =====

HCC:V6  
 Spec Gravity:0.89  
 Solubility in Water:NEGLIGIBLE  
 Appearance and Odor:DARK AMBER;SLIGHT ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
 OXIDIZING MATERIALS.  
 Stability Condition to Avoid:OPEN FLAME, SOURCES OF IGNITION  
 Hazardous Decomposition Products:OXIDES OF CARBON, SULFUR, PHOSPHOROUS  
 & UNIDENTIFIED ORGANIC COMPOUNDS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE WITH IN ACCORDANCE WITH LOCAL, STATE AND  
 FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
 This information is formulated for use by elements of the Department  
 of Defense. The United States of America in no manner whatsoever,  
 expressly or implied, warrants this information to be accurate and  
 disclaims all liability for its use. Any person utilizing this  
 document should seek competent professional advice to verify and  
 assume responsibility for the suitability of this information to their  
 particular situation.