

DEERE & COMPANY -- STARTING FLUID#RE24561 -- 6850-00-823-7861

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Product Identification  
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Product ID:STARTING FLUID#RE24561

MSDS Date:09/01/1987

FSC:6850

NIIN:00-823-7861

MSDS Number: BHQMR

=== Responsible Party ===

Company Name:DEERE & COMPANY

Address:JOHN DEERE ROAD

City:MOLINE

State:IL

ZIP:61265

Country:US

Info Phone Num:309-765-2767

Emergency Phone Num:309-765-4292

Preparer's Name:T.M.

SNYDER

CAGE:9N311

=== Contractor Identification ===

Company Name:DEERE & COMPANY

Address:JOHN DEERE ROAD

City:MOLINE

State:IL

ZIP:61265

Country:US

Phone:309-765-4292

CAGE:9N311

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Composition/Information on Ingredients  
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Ingred Name:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: 23.0%

OSHA PEL:500 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:ETHYL ETHER (SARA III)

CAS:60-29-7

RTECS #:KI5775000

Fraction by Wt: 46.0%

OSHA PEL:400 PPM/500 STEL

ACGIH

TLV:400PPM/500STEL; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:PROPANE  
CAS:74-98-6  
RTECS #:TX2275000  
OSHA PEL:1000 PPM  
ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:BUTANE  
CAS:106-97-8  
RTECS #:EJ4200000  
OSHA PEL:800 PPM  
ACGIH TLV:800 PPM; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF  
EYES,SKI  
N,RESPIRATORY OR G.I.TRACTS.FEELING OF INTENSE  
COLD,CONGESTION OF BLOOD VESSELS;CNS EFFECTS LIKE  
HEADACHE,DIZZINESS,NAUSEA,VOMITING AND POSSIBLE  
UNCONSCIOUSNESS;REDNESS OR BURNS OF EYES/SKIN  
POSSIBLE.CHRONIC:DRYING OF SKIN,DEFATTING OR DERMATITIS.  
Explanation of Carcinogenicity:DATA PER MSDS  
Effects of Overexposure:SEE HEALTH HAZARDS DATA.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RES  
PIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE  
VOMITING. GIVE NOTHING B

Y MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

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

Flash Point:-25F,-32C,LIQUID

Lower Limits:1.1

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER  
FOG.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:CONTAINERS MAY EXPLO  
DE;FIRE OR EXCESSIVE

HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;REMOVE ALL  
IGNITION SOURCES.CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE  
INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN  
APPROVED CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling an

d Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP CONTAINERS TIGHTLY CLOSED.PROTECT CONTAINERS FROM  
PHYSICAL DAMAGE.KEEP AWAY FROM HEAT,OPEN FLAMES,SUN

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID  
PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.  
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH/MSHA APPR  
OVED RESPIRATOR AS REQUIRED

IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION,WORK CLOTHING AND APRON AS  
REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

A

VOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:V3  
Boiling Pt:B.P. Text:100F,38C  
Vapor Density:>1.0  
Spec Gravity:0.702  
Evaporation Rate & Reference:SAME AS ETHER  
Solubility in Water:INSOLUBLE  
Appearance and Odor:COLORLESS/ETHER  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:NO  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND OTHER UNIDENTIFIED COMPONENTS.

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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