

MONSANTO CO -- SKYDROL 500B-4 FIRE RESISTANT HYDRAULIC FLUID -- 9150-00-134-8785

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Product Identification  
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Product ID:SKYDROL 500B-4 FIRE RESISTANT HYDRAULIC FLUID

MSDS Date:07/17/1995

FSC:9150

NIIN:00-134-8785

MSDS Number: CBSXT

=== Responsible Party ===

Company Name:MONSANTO CO

Address:800 N LINDBERGH BLVD

City:SAINT LOUIS

State:MO

ZIP:63167

Country:US

Info Phone Num:314-694-6661

Emerg

ency Phone Num:314-694-6661, CHEMTREC 800-424-9300

CAGE:76541

=== Contractor Identification ===

Company Name:MONSANTO COMPANY

Address:800 N LINDBERGH BLVD

Box:City:SAINT LOUIS

State:MO

ZIP:63167

Country:US

Phone:314-694-6661 OR 800-332-3111

CAGE:76541

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Composition/Information on Ingredients  
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Ingred Name:TRIBUTYL PHOSPHATE

CAS:126-73-8

RTECS #:TC7700000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:0.2 PPM; 9596

Ingred Name:DIBUTYL PHENYL PHOSPHATE

CA

S:2528-36-1  
RTECS #:TB9626600  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50(RAT): 2,200 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE CONTACT WITH THIS PRODUCT HAS BEEN REPORTED TO PRODUCE SEVERE EYE PAIN WITHOUT EYE DAMAGE. PRODUCT REMOVES OIL FROM THE SKIN CAUSING DRYING AND CRACKING FOLLOWING

REPEATED AND PROLONGED CONTACT. EXPOSURE TO AEROSOLIZED FLUID OR VAPORS ARE PRODUCED AT HIGH TEMPERATURES HAS BEEN REPORTED TO CAUSE IRRITATION.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE PAIN, SKIN DRYING, CRACKING, NOSE/THROAT IRRITATION, COUGHING, WHEEZING, NAUSEA, HEADACHE, URINARY BLADDER DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION.

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

Flash Point Method:COC  
FI

Flash Point:320F,160C

Autoignition Temp:Autoignition Temp Text:750F

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:WATER SPRAY(FOG), FOAM, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. EQUIPMENT SHOULD BE THOROUGHLY DECONTAMINATED.

Unusual Fire/Explosion Hazard:PRODUCTS OF DECOMPOSITION INCLUDE HAZARDOUS CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF

# PHOSPHORUS.

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

Spill Release Procedures:CONTAINS LARGE SPILLS WITH DIKES AND TRANSFER THE MATERIAL TO APPROPRIATE CONTAINERS FOR RECLAMATION OR DISPOSAL. ABSORB REMAINING MATERIAL OR SMALL SPILLS WITH AN INERT MATERIAL AND THEN PLACE IN A CHEMICAL WASTE CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:A

VOID CONTACT WITH EYES, SKIN AND

CLOTHING. AVOID BREATHING VAPOR OR MIST. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER CLOSED.

Other Precautions:WASH THOROUGHLY AFTER HANDLING. EMPTIED CONTAINER RETAINS VAPOR AND PRODUCT RESIDUE. OBSERVE ALL LABELLED SAFEGUARDS UNTIL CONTAINER IS DESTROYED. DO NOT REUSE THIS CONTAINER.

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

Respiratory Protection:USE NIOSH/MSHA APPROVE RESPIRATORY PROTECTION EQUIPMENT WHEN AIR

ORNE EXPOSURE IS EXCESSIVE.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplement

al Safety and Health

LAUNDRY CONTAMINATED CLOTHING AND CLEAN PROTECTIVE EQUIPMENT BEFORE REUSE.

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

HCC:V6

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.052-1.060

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR, PURPLE OILY LIQUID, NO ODOR

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

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Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: EXTREME TEMPERATURES.

Hazardous Decomposition Products: OXIDES OF PHOSPHORUS, CARBON MONOXIDE, SOOT.

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

Waste Disposal Methods: PRODUCT MEETS THE CRITERIA FOR A SYNTHETIC USED OIL UNDER US EPA STANDARDS FOR THE MANAGEMENT OF USED OIL (40 CFR 279). CONTACT LOCAL, STATE AND FEDERAL AUTHORITIES TO DETERMINE  
CORRECT DISPOSAL PROCEDURES.

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