

MONSANTO COMPANY -- SKYDROL 500B-4 FIRE RESISTANT HYDRAULIC FLUID --
9150-01-056-4883

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

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

MSDS Date:07/17/1995

FSC:9150

NIIN:01-056-4883

Status Code:A

MSDS Number: CHVXK

=== Responsible Party ===

Company Name:MONSANTO COMPANY

Address:800 N LINDBERGH BLVD

City:ST LOUIS

State:MO

ZIP:63167

Country:US

Info Phone N

um:314-694-6661

Emergency Phone Num:800-424-9300

CAGE:DO969

=== Contractor Identification ===

Company Name:MONSANTO COMPANY

Address:800 N. LINDBERGH BLVD

City:ST. LOUIS

State:MO

ZIP:63167

Phone:314-694-1000

CAGE:DO969

Company Name:SOLUTIA INC.

Address:10300 OLIVE BLVD

Box:City:ST LOUIS

State:MO

ZIP:63166-6760

Country:US

Phone:334-473-8472

CAGE:1CHP6

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

Ingred Name:TRIBUTYL PHOSPHATE

CAS:126-73-8

RTECS #:TC7700000

Other REC Limit

s:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:0.2 PPM; 9596

Ingred Name:DIBUTYL PHENYL PHOSPHATE
CAS:2528-36-1
RTECS #:TB9626600
Other REC Limits:NONE RECOMMENDED

Ingred Name:BUTYL DIPHENYL PHOSPHATE (MFR GIVES CAS # AS 2752-95-6)
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 2200 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 PRODUCES SEVERE PAIN WITH EYE DAMAGE. SKIN CONTACT REMOVES OILS CAUSING DRYING & CRACKING AFTER REPEATED/PROLONGED USE. EXPOSURE TO AEROSOLIZED FLUID OR VAPORS MAY CAUSE NOSE & THROAT IRRITATION, NAUSEA, HEADACHE. TRIBUTYL PHOSPHATE MAY CAUSE URINARY BLADDER DAMAGE BASED ON ANIMAL STUDIES.

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 IRRITATION, SKIN DRYING/CRACKING, RESPIRATORY TRACT IRRITATION, NOSE IRRITATION, THROAT IRRITATION, NAUSEA, HEADACHE, BLADDER DAMAGE.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IF IN EYES, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. IF ON SKIN, IMMEDIATELY FLUSH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

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

Flash Point Method:COC
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 AFTER.

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

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

Spill Release Procedures:CONTAIN SPILL AND RECOVER FREE PRODUCT 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:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR OR MIST. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER CLOSED.

Other Precautions:EMPTIED CONTAINER RETAINS VAPOR AND PRODUCT RESIDUE.
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RESERVE ALL LABELLED SAFEGUARDS UNTIL CONTAINER IS DESTROYED. DO NOT REUSE THIS CONTAINER. PRODUCT IS STABLE UNDER ORDINARY CONTAINER OF HANDLING & STORAGE UP TO 250-275F.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATION EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:CHEMICAL GOGGLES, SAFETY GLASSES W/SIDES

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

ACILITIES.

Supplemental Safety and Health

NOTE TO MEDICAL PERSONNEL: AFTER FLUSHING EYES FOR AT LEAST 15 MINUTES, OPHTHALMIC PREPARATIONS OF STERILE MINERAL OR CASTOR OIL MAY BE INSTILLED ONE TIME IN THE EXPOSED EYE FOR RELIEF OF PAIN.

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

HCC:V6

Boiling Pt:B.P. Text:NOT GIVEN

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.052-1.060

Visco

sity:11.3-12.4 CST

Evaporation Rate & Reference:NOT GIVENUTYL ACETATE=1)

Solubility in Water:NOT GIVEN

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

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:STABLE UP TO 250-275F.

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

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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