

MONSANTO CO -- SANOTRAC 50 TRACTION LUBRICANT -- 9150-00-009-0217

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

Product ID:SANOTRAC 50 TRACTION LUBRICANT

MSDS Date:05/22/1989

FSC:9150

NIIN:00-009-0217

MSDS Number: BCVDY

=== Responsible Party ===

Company Name:MONSANTO CO

Address:800 N LINDBERGH BLVD

City:ST LOUIS

State:MO

ZIP:63167

Country:US

Info Phone Num:314-694-6661

Emergency Phone Num:314-694-6661, CHEM

TREC 800-424-9300

CAGE:76541

=== Contractor Identification ===

Company Name:AVIATION FLUIDS SERVICE INC

Address:950 KINGSLAND AVE

Box:2489

City:ST LOUIS

State:MO

ZIP:63114

Country:US

Phone:314-721-2888

CAGE:0AG11

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

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

Ingred Name:SYNTHETIC HYDROCARBON BASE STOCK

ACGIH TLV:5 MG/

CUM (MIST)

Ingred Name:ALKYL METHACRYLATE COPOLYMER IN NEUTRAL OIL.

Fraction by Wt: 4.1%

ACGIH TLV:5MG/CUM(OILMIST)

Ingred Name:ZINC DIALKYLDITHIOPHOSPHATE

Ingred Name:2,6-DI-TERT-BUTYL-P-CRESOL

CAS:128-37-0

RTECS #:GO7875000

Fraction by Wt: 1.0%

OSHA PEL:10 MG/M3

ACGIH TLV:10 MG/M3; 9192

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 15,800 MG/KG

Routes of Entry: Inhalation:UNKNOWN Skin:YES Ingestion:YES

Reports of Carcinogenicity

:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF

EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE  
HEADACHE,DIZZINESS,NAUSEA AND VOMITING POSSIBLE.

Effects of Overexposure:MAY CAUSE IRRITATION TO YES & SKIN OR MAY BE  
FATIGUING AGENT. NO EFFECT IN CASE OF INHAL OR INGESTN.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK  
FROM EXPOSURE.

===== 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 BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE

MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:325F,163C

Autoignition Temp:Autoignition Temp Text:620F

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:FIRE OR EXCESS

IVE HEAT MAY CAUSE

PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.(CO ,CO\*2,AND HYDROCARBONS

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

Spill Release Procedures:EVACUATE UNPROTECTED PERSONS. ELIM IGNITION SOURCES. STOP LEAK. H\*2O SPRAY COOL CONT/DIVERT SPILL FROM FIRE/HEAT. PROVIDE VENTILATION. ABSORB W COMMERCIAL ABSORBENT,SHOVEL INTO METAL DRUMS:LG SPILL:DI KE W COMMERCIAL ABSORBENT,PUMP INTO COVERED DRUMS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED,LOW FIRE RISK AREA. PROTECT FROM PHYSICAL DAMAGE.KEEP CONTAINERS CLOSED. MAINTAIN STANDARD HYGIENE FOR CHEM HANDLING

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 Control  
s/Personal Protection =====

Respiratory Protection:NO SPECIAL REQMENTS UNDER ORDINARY CONDITIONS/ADEQUATE VENT.

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

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

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

HCC:V6

Boiling Pt:B.P. Text:590F/310C

Vapor Pres:12 MMHG

Vapor Density:UNK

Spec Gravity:0.90

Evaporation Rate & Reference:0.0

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SLIGHTLY TURBID YELLOW LIQUID

Percent Volatiles by Volume:0.0

===== Stability and R

eactivity Data =====

Stability Indicator/Materials to Avoid:YES

EXPOSURE TO HIGHLY OXIDIZING MATERIALS SHOULD BE AVOIDED

Stability Condition to Avoid:HEAT, IGNITION SOURCES

Hazardous Decomposition Products:IF BURNED,CO\*2,CO,LOW MWT

HYDROCARBONS,SOOT & SMOKE CAN PROD

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

Waste Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE &

DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE

INTERNATIONAL,FEDE

RAL,STATE, & LOCAL REGULATIONS.

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