

AVIATION FLUIDS SERVICE INC -- WC-393, AFSNA703 -- 9150-01-253-9619

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

Product ID:WC-393, AFSNA703

MSDS Date:03/29/1999

FSC:9150

NIIN:01-253-9619

Status Code:A

MSDS Number: CKNVK

=== Responsible Party ===

Company Name:AVIATION FLUIDS SERVICE INC

Address:950 KINGSLAND AVE

Box:2489

City:SAINT LOUIS

State:MO

ZIP:63114

Country:US

Info Phone Num:314-721-2910/2888

Emergency Phone Num:212-483-7616 INTERNATIONAL

Chemtrec Ind/Phone:(800)

424-9300

CAGE:0AG11

=== 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:TBM INC

Address:950 KINGSLAND AVE

Box:City:ST LOUIS

State:MO

ZIP:63130-2622

Country:US

Phone:800-825-1128 FAX 314-721-4990

Contract Num:SP0450-00-M-C203

CAGE:27661

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

Ingred Name:MOLYBDENUM DISULFIDE

CAS:1317-33-5

R

TECS #:QA4697000

&lt; Wt:10.

Ingred Name:BUTOXYPOLYPROPYLENE GLYCOL

CAS:9003-13-8

RTECS #:LL3130000

&gt; Wt:90.

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

LD50 LC50 Mixture:ORAL-RAT LD50 = 9100 MG/KG

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SHORT TERM EFFECTS:INHALATION:MAY CAUSE IRRITATION. SKIN:MAY CAUSE REDNESS AND SWELLING OF THE SKIN AND ITECHING. EYE:MAY CAUSE TEARING. INGESTION:NO INFORMATION IS AVAILABL

E. LONG TERM EFFECTS: NO IN FORMATION AVAILABLE ON SIGNIFICANT ADVERSE EFFECTS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, REDNESS, SWELLING, ITCHING, TEARING.

Medical Cond Aggravated by Exposure:CONTACT MAY AGGRAVATE PREEXISTING DERMATITIS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION, KEEP PERSON WARM AND AT R

EST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IMMED IATELY. SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION. EYE CONTACT: WASH EYES IMMEDIATELY WITH LARGE AMOUNT OF WATER OR NORMAL SALINE. OCCASIONALLY LIFTING UPPER AND LOWE LIDS, UNTIL NO EVIDENCE OF CHEMICAL REMAINS (15-20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCC UR S, KEEP HEAD LOWER THAN HIPS.

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

Flash Point:304F PER SPECS

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE IF YOU CAN DO IT WITHOUT RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH-PRESSURE WATER STREAMS. DIKE FIRE-CONTROL WATER FOR LATER DISPOSAL. USE AGENTS SUITABLE FO

R TYPE OF SURROUNDING FIRE. AVOID BREATHING  
HAZARDOUS VAPOR. KEEP UPWIND.

Unusual Fire/Explosion Hazard:THE SEVERITY OF THE FIRE HAZARD HAS NOT  
BEEN DETERMINED FOR THIS PRODUCT OR ITS COMPONENTS.

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

Spill Release Procedures:STOP LEAK IF YOU CAN DO IT WITHOUT RISK. FOR  
SMALL SPILLS, TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND  
PLACE INTO CLEAN, DRY CONTAINERS FOR LATER DISPOSAL. KEEP  
UNNECESSARY PEOPLE AWAY.

ISOLATE HAZARD AREA AND DENY ENTRY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:OBSERVE ALL FEDERAL, STATE AND LOCAL  
REGULATIONS WHEN STORING THIS SUBSTANCE. STORE AWAY FROM  
INCOMPATIBLE SUBSTANCES.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:THE SPECIFIC RESPIRATOR SELECTED MUST  
BE BASED

ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE. MUST BE BASED ON  
THE SPECIFIC OPERATION. MUST NOT EXCEED THE WORKING LIMITS OF THE  
RESPIRATOR AND MUST BE JOINTLY APPROVED BY THE NATIONAL INSTITUTE  
FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) AND THE MINE SAFETY AND  
HEALTH ADMINISTRATION (MSHA).

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO MEET PUBLISHED  
EXPOSURE LIMITS.

Protective Gloves:EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE GLOVES TO  
PREVENT CONTACT

Eye Protection:SPLASH-PROOF OR DUST-RESISTANT SAFETY GOGGLES AND A  
FACESHIELD

Other Protective Equipment:EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE  
(IMPERVIOUS) CLOTHING AND EQUIPMENT TO PREVENT REPEATED OR  
PROLONGED SKIN CONTACT WITH THIS SUBSTANCE.

Work Hygienic Practices:WHERE THERE IS ANY POSSIBILITY THAT AN  
EMPLOYEE'S EYES AND/OR SKIN MAY BE EXPOSED TO THIS SUBSTANCE, THE  
EMPLOYER SHOULD PROVIDE EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER  
WITHIN THE IMMEDIATE WORK AREA

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:V6  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:>200.C, 392.F  
Vapor Pres:NOT AVAILABLE  
Vapor Density:>1  
Spec Gravity:4.8  
Evaporation Rate & Reference:NIL  
Solubility in Water:NOT AVAILABLE  
Appearance and Odor:LIQUID (PER SPECS: MOLYBDENUM DISULFIDE DISPERSED  
IN SYNTHETIC OIL)

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

Stability  
Indicator/Materials to Avoid:YES  
MOLYBDENUM DISULFIDE: HYDROGEN PEROXIDE: VIGOROUS OR VIOLENT REACTION.  
OXIDIZERS (STRONG): FIRE AND EXPLOSION HAZARD. POTASSIUM NITRATE:  
FORMS EXPLOSIVE MIXTURE. ACIDS (STRONG), BASES (STRONG), MATERIALS  
REACTIVE WITH HYDRO  
Stability Condition to Avoid:NO DATA AVAILABLE.  
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE  
TOXIC AND/OR HAZARDOUS GASES.  
Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT  
BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

===== Toxicological Information =====

Toxicological Information:BUTOXYPOLYPROPYLENE GLYCOL: IRRITATION DATA:  
500 MG OPEN SKIN-RABBIT MILD. TOXICITY DATA: 9100 MG/KG ORAL-RAT  
LD50; 23900 MG/KG ORAL-RABBIT LD50. ACUTE:INHALATION:INSOLUBLE  
MOLYBDENUM COMPOUNDS ARE CHARACTERIZED BY LOW TOXICITY.  
BUTOXYPOLYPROPYLENE GLYCOL:VAPORS GENERATED AT HIGH TEMPERATURE MAY  
CAUSE IRRITATION. SKIN:DERMATITIS

IS HAS NOT BEEN REPORTED IN EXPOSED  
WORKERS. CHRONIC:INHALATION: 25 ONE -HOUR EXPOSURES 490 MG/M3  
CAUSED NOT EFFECTS IN ALL THE ANIMALS TESTED EXCEPT ONE WHICH DIED  
AFTER THE THIRD EXPOSURE.

===== Ecological Information =====

Ecological:NOT DATA AVAILABLE.

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

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS  
WHEN STORING OR DISPOSING OF THIS SUBSTANCE.

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===== MSDS Transport Information =====

Transport Information:NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:SEC 311/ 312 HAZ CATEGORIES: ACUTE AND  
CHRONIC= NO; FIRE, REACTIVITY AND SUDDEN RELEASE OF PRESSURE = NO.  
NO OTHER REGULATRY INFORMATION IS AVAILABLE  
Federal Regulatory Information:INGREDIENTS ARE ON THE TSCA INVENTORY.  
State Regulatory Information:NOT PROVIDED

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her Information =====

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