

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

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

Product ID:WC-393, AFSNA703

MSDS Date:06/11/1996

FSC:9150

NIIN:01-253-9619

MSDS Number: BRQHK

=== 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:

(800)424-9300

Preparer's Name:NOT PROVIDED

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

Company Name:TBM INC

Address:950 KINGSLAND AVE

Box:C

City:ST LOUIS
State:MO
ZIP:63130-2622
Country:US
Phone:800-825-1128 FAX 314-721-4990
Contract Num:SP0450-99-M-B176
CAGE:27661

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Composition/Information on Ingredients
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Ingredient Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
< Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG MO/M3
ACGIH TLV:10 MG MO/M3

Ingredient Name:BUTOXYPOLYPROPYLENE GLYCOL
CAS:9003-13-8
RTECS #:TR4680000
> Wt:95.
Other REC Limits:NONE RECOMMENDED

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Hazards I
dentification
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LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: INSOLUBLE MOLIBDENUM
COMPOUNDS ARE CHARACTERIZED BY LOW TOXICITY. BUTOXYPOLYPROPYLENE
GLYCOL: VAPORS GENERATED AT HIGH TEMPERATURES MAY CAUSE IRRITATION.
SKIN CONTACT: DERMATITIS HAS NOT BEEN REPORTED.
BUTOXYPOLYPROPYLENE GLYCOL: IRRITATION IS UNLIKELY AFTER BRIEF
CONTACT. HOWEVER, PROLONGED CONTACT MAY PRODUCE
REDNESS, ITCHING, A
BURNING SENSATION, DRYING AND FLAKING OF THE SKIN. EYE CONTACT:
SOME INSOLUBLE MOLIBDENUM COMPOUNDS ARE IRRITATING TO EYES.
BUTOXYPOLYPROPYLENE GLYCOL: MAY CAUSE STINGING AND PAIN WITH EXCESS
TEARING AND MILD REDNESS OF THE CONJUNCTIVA. INGESTION/CHRONIC : NO
DATA AVAILABLE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: INSOLUBLE MOLIBDENUM COMPOUNDS ARE
CHARACTERIZED BY LOW TOXICITY. BUTOXYPOLYPROPYLENE GLYCOL: VAPORS

GENERATED AT HIGH TEMPERATURES MAY CAUSE IRRITATION. SKIN CONTACT: DERMATITIS HAS NOT BEEN REPORTED. BUTOXYPOLYPROPYLENE GLYCOL: IRRITATION IS UNLIKELY AFTER BRIEF CONTACT. HOWEVER, PROLONGED CONTACT MAY PRODUCE REDNESS, ITCHING, A BURNING SENSATION, DRYING AND FLAKING OF THE SKIN. EYE CONTACT: SOME INSOLUBLE MOLIBDENUM COMPOUNDS ARE IRRITATING TO EYES. BUTOXYPOLYPROPYLENE GLYCOL: MAY CAUSE STINGING AND PAIN WITH EXCESS TEARING AND MILD REDNESS OF THE CONJUNCTIVA.

INGESTION: NO DATA AVAILABLE.

Medical Condition 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 REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY. 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 LOWER 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 OCCURS, KEEP HEAD LOWER THAN HIPS.

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

Flash Point: NOT PROVIDED
Lower Limits: NOT PROVIDED
Upper Limits: NOT PROVIDED

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5)

Fire Fighting Procedures: MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH-PRESSURE WATER STREAMS. DIKE FIRE-CONTROL WATER FOR DISPOSAL (1990 EMERGENCY GUIDEBOOK, DOT P 5800.5. GUIDE PAGE 31). USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING HAZARDOUS VAPORS. 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: NOT RE

LEVANT

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:NOT PROVIDED

===== 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 B E JOINTL Y APPROVED BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) AND THE MINE SAFTY AND HEALTH ADMINSTRATION (MSHA).

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

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

Eye Protection:EMPLOYEE MUST WEAR SPLASH-PROOF OR DUST-RESISTANT SAFETY GOGGLES/FACESHIELD.

Other Protective Equipment:EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE (IMPERVIOUS) CL

OTHING AND EQUIPMENT TO PREVENT REPEATED OR PROLONGED SKIN CONTACTWITH 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

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>200.C, 392.F

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

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT AVAILABLE

Vapor Density:>1

Spec Gravity:4.8

pH:NOT RELEVANT

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NIL

Solubility in Water:NOT AVAILABLE

Appearance and Odor:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

HYDROGEN PEROXIDE, OXIDIZERS (STRONG), POTASSIUM NITRATE, ACIDS (STRONG), B

ASES (STRONG), MATERIALS REACTIVE WITH HYDROXYL
COMPOUNDS

Stability Condition to Avoid:NOT PROVIDED

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 SKI
N-RABBIT MILD. TOXICITY DATA: 9100 MG/KG ORAL-RAT
LD50; 23900 MG/KG ORAL-RABBIT LD50.

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

Ecological:NOT PROVIDED

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

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

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

Transport Information:NOT D.O.T. REGULATED.

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

SARA Title III Information:NOT PROVIDED

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:NOT PROVIDED

===== Other Information =====

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