

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

Emerge

ncy Phone Num:212-483-7616 INTERNATIONAL

Chemtre 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

=====
Ingrid Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
< Wt:10.

Ingrid Name:BUTOXYPOLYPROPYLENE GLYCOL
CAS:9003-13-8
RTECS #:LL3130000
> 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
AVAILABLE. 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
STOPP
ED, PERFORM ARTIFICIAL RESPIRATION, KEEP PERSON WARM AND AT
REST. 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 SUP

PORTIVELY. GET MEDICAL ATTENTION
IMMEDIATELY. IF VOMITING OCCUR 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 FOR TYPE OF S URROUNDING 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 B E JOINTLY 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 Gloyes:EMPLOY

EE 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 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 FO

UNTAIN 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 Av

oid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

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

Toxicological Information:BUTOXPOLYPROPYLENE 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 MOLYBOENUM COUMPOUNDS ARE C HARACTERIZED BY LOW TOXICITY. BUTOXPOLYPROPYLENE GLYCOL:VAPORS GENE RATED AT HIGH TEMPERATURE MAY CAUSE IRRITATION. SKIN:DERMATITIS 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.

===== 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

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

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advic

e to verify and
assume responsibility for the suitability of this information to their
particular situation.