

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

Product ID:MIL-L-6082, GRADE 1100 BASE OIL

MSDS Date:03/16/1994

FSC:6650

NIIN:00-179-5144

MSDS Number: CBSYC

=== Responsible Party ===

Company Name:JOINT OIL ANALYSIS PROGRAM OFFICE

Address:BLDG 78, NAS

City:PENSACOLA

State:FL

ZIP:32508-5300

Country:US

Info Phone Num:904-452-3191

Emergency Phone Num:904-452-3191

Preparer's Name:DIRECTOR,

JOAP-TSC

CAGE:JOINT

=== Contractor Identification ===

Company Name:JOINT OIL ANALYSIS PROGRAM OFFICE

Address:296 FARRAR RD STE B

City:PENSACOLA

State:FL

ZIP:32508-5150

Country:US

Phone:904-452-3191

CAGE:JOINT

Company Name:NAVAL AIR REWORK FACILITY (CODE 440)

CAGE:89771

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

Ingred Name:BASE METALS - AG, AL, B, CU, CR, FE, MG, NI, NA, PB, SI,  
SN, TI, ZN, MO.

Fraction by Wt: 0.03%

Other REC Limits:NONE RECOMMENDED

Ingred Name:N

ON-HAZARDOUS INGREDIENTS (GRADE 1100 OIL)

Fraction by Wt: 99%+

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) = 29000 MG/KG

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

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

Health Hazards Acute and Chronic:BECAUSE OF THE LOW LEVEL OF TOXICITY ASSOCIATED W/THESE SAMPLES, OVEREXPOSURE IS UNLIKELY.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT

CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:THIS PRODUCT MAY BE IRRITATING TO EYES & MAY CAUSE SLIGHT SKIN IRRITATION. AVOID BREATHING MIST OR AEROSOLS OF THIS PRODUCT. IF EYE CONTACT IS MADE, WASH 15 MIN W/CLEAR WATER. IF SKIN CONTACT IS MADE, WASH W/SOAP & WATER. MATERIAL MAY BE DISPOSED AS WASTE OIL.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

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

First Aid:REMOVE FROM EXPOSURE SITUATION, WASH EYES 15 MIN W/CLEAR WATER, SEE PHYSICIAN. WASH SKIN W/SOAP & WATER. CONSULT PHYSICIAN IF INGESTED. DO NOT INDUCE VOMITING.

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

Flash Point Method:COC

Flash Point:420F,216C

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:TREAT AS AN OIL SPILL. CLEAN W/TOWEL OR RAG. DISPOSE OF RAG IN TRASH. DO NOT STORE W/OXIDIZERS. FLOOR MAY BE SLIPPERY. DETERGENT WASH MAY BE REQUIRED.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:NORMAL GOOD HOUSEKEEPING PROCEDURES.

Other Precautions:EXHAUST SYSTEM SHOULD BE IN PROPER WORKING ORDER TO FURNISH NOR

## MAL WORKPLACE VENTILATION.

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

Respiratory Protection:NOT NORMALLY NEEDED UNLESS OIL MIST OCCURS THEN  
USE DUST/MIST CARTRIDGE.

Ventilation:LOCAL EXHAUST:NOTHING BEYOND NORMAL VENTILATION. OTHER  
VENTILATION:MFR GAVE NO INFORMATION OF MSDS.

Protective Gloves:RUBBER GLOVES IF SPILLS LIKELY.

Eye Protection:SAFETY GLASSES ARE RECOMMENDED.

Other Protective Equipment:MFR GAVE NO INFORMATION OF MSDS.

Work Hygienic Practices:MFR GA  
VE NO INFORMATION OF MSDS.

Supplemental Safety and Health

\*HAS THE CHARACTERISTIC ODOR OF LUBRICATING OIL.

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

HCC:N1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:VERY HIGH

Vapor Pres:NIL

Spec Gravity:0.9119

Evaporation Rate & Reference:NIL

Solubility in Water:NIL

Appearance and Odor:D19-0 IS GOLDEN BROWN. REMAINING COLORS RANGE FROM  
AMBER TO PEARRESCENT BLACK.

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

DO NOT MIX W/STRONG OXIDIZERS.

Stability Condition to Avoid:MFR GAVE NO INFORMATION OF MSDS.

Hazardous Decomposition Products:PARTIALLY BURNED HYDROCARBONS, METAL  
OXIDES

Conditions to Avoid Polymerization:WILL NOT OCCUR.

### ===== Disposal Considerations =====

Waste Disposal Methods:SMALL SPILL RESIDURS OF THESE PRODUCTS ARE NOT  
CONSIDERED HAZARDOUS & MAY BE DISCARDED AS TRAS

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