

JOINT OIL ANALYSIS PROGRAM TECHNICAL SUPPORT CENTER(JOAP-TSC -- MIL-L-6082, GRADE 1100 (BASE OIL) -- 6650-00-179-5137

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

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

MSDS Date:03/16/1994

FSC:6650

NIIN:00-179-5137

Status Code:A

MSDS Number: CLGLT

=== Responsible Party ===

Company Name:JOINT OIL ANALYSIS PROGRAM TECHNICAL SUPPORT
CENTER(JOAP-TSC

Address:296 FARRAR

RD SUITE B

City:PENSACOLA

State:FL

ZIP:32508-5010

Country:US

Info Phone Num:904-452-3191 / 904-452-8448

Emergency Phone Num:904-452-3191

Preparer's Name:DIRECTOR, JOAP-TSC

CAGE:UO325

=== Contractor Identification ===

Company Name:JOINT OIL ANALYSIS PROGRAM TECHNICAL SUPPORT
CENTER(JOAP-TSC

Address:296 FARRAR RD SUITE B

Box:City:PENSACOLA

State:FL

ZIP:32508-5010

Country:US

Phone:904-452-3191 / 904-452-8448

CAGE:UO325

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

Ingr

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

= Wt:.03

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

LD50 LC50 Mixture:RAT ORAL LD50: 29000 MG/KG

Health Hazards Acute and Chronic:THIS PRODUCT MAY BE IRRITATING TO THE
EYES AND MAY CAUSE SLIGHT SKIN IRRITATION.

Effects of Overexposure:BECAUSE OF THE LOW LEVEL OF TOXICIT ASSOCIATED
WITH THESE SAMPLES, OVEREXPOSURE IS UNLIKELY.

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

=====

First Aid:REMOVE FROM EXPOSURE SITUATION, WASH EYES 15 MINUTES WITH CLEAR WATER, SEE PHYSICIAN. WASH SKIN WITH SOAP AND WATER. CONSULT PHYSICIAN IF INGESTED. DO NOT INDUCE VOMITING.

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

Flash Point Method:COC
Flash Point:~215.6C, 420.F
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 WITH TOWEL OR RAG. DISPOSE OF RAG IN TRASH. DO NOT STORE WITH OXIDIZERS. FLOOR MAY BE SLIPPERY. DETERGENT WASH MAY BE REQUIRED.

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

Handling and Storage Precautions:DO NOT STORE WITH OXIDIZERS. NORMAL GOOD HOUSEKEEPING PROCEDURES.
Other Precautions:EXHAUST SYSTEM SHOULD BE IN PROPER WORKING ORDER TO FURNISH NORMAL WORKPLACE VENTILATION.

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

Respiratory Protection:NOT NORMALLY NEEDED UNLESS OIL MIST OCCURS THEN USE DUST/MIST CARTRIDGE.
Ventilation:NOTHING BEYOND NORMAL VENTILATION.
Protective Gloves:RUBBER GLOVES IF SPILLS LIKELY.
Eye Protection:SAFETY GLASSES ARE RECOMMENDED.
Supplemental Safety and Health
CHEMICAL NAME & SYNONYMS: D12-300, -100, -50, -30, -10, -5, D-19-0, D3-100 OIL STANDARD. SPECIFICATION NUMBER: MIL-L-6082, GRADE 1100 (BAS EOIL). CHEMI

CAL FAMILY: METALLO-ORGANIC SULFONATES & MINERAL
OIL. FORMULA: RNC6H5-NSO3M R-ALKYL GROUPS, M-METAL.

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

HCC:N1

Boiling Pt:B.P. Text:VERY HIGH RANGE

Vapor Pres:NIL

Vapor Density:UNK

Spec Gravity:0.9119

Evaporation Rate & Reference:NIL

Solubility in Water:NIL

Appearance and Odor:D19-0 IS GOLDEN BROWN, AMBER TO PEALESCENT BLACK
COLOR, LUBE OIL ODOR

Percent Volatiles by Volume:NIL

===== Stability and Rea
ctivity Data =====

Stability Indicator/Materials to Avoid:YES

DO NOT MIX WITH STRONG OXIDIZERS.

Hazardous Decomposition Products:PARTIALLY BURNED HYDROCARBONS, METAL
OXIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:SMALL SPILL RESIDUES OF THESE PRODUCTS ARE NOT
CONSIDERED HAZARDOUS AND MAY E DISCARDED AS TRASH.

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

Federal Regulatory Information:THIS PRODUCT IS NOT HAZARDOUS AS DEFINED
BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).
MIL-L-6082, GRADE 1100 OIL REPRESENTS 99+% OF THE TOTAL VOLUME.

===== 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,
expr

essly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.