

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 FARRA

R 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 =====

Ing

red 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 =====

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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.

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===== 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). CHEM

ICAL 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 Re  
activity 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 =====  
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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 =====

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