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Product ID:MIL-L-6082 GRADE 1100 (BASE OIL) D12-300 MSDS Date:03/16/1994 FSC:6650 NIIN:00-179-5141 **MSDS Number: CCHDN** === Responsible Party === Company Name: JOINT OIL ANALYSIS PROGRAM OFFICE Address:296 FARRAR RD STE B City:PENSACOLA State:FL ZIP:32508-5150 Country:U S Info Phone Num:904-452-3191 Emergency Phone Num:904-452-3191 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 Ingred Name:SILVER *96-2* CAS:7440-22-4 RTECS #:VW3500000 OSHA PEL:0.01 MG/CUM ACGIH TLV:0.1 MG/CUM EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB Ingred Name: ALUMINUM *96-2* CAS

:7429-90-5 RTECS #:BD0330000 OSHA PEL:15 MG/CUM ACGIH TLV:10 MG/CUM (DUST) Ingred Name:BORON *96-2* CAS:7440-42-8 RTECS #:ED7350000 Ingred Name: COPPER (DUST & MIST), BRONZE POWDER *96-2* CAS:7440-50-8 RTECS #:GL5325000 Other REC Limits:1 MG(CU)/M3 (DUST) OSHA PEL:0.1 MG(CU)/M3 (FUME) ACGIH TLV:0.2 MG/M3 (FUME) EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name: CHROMIUM METAL, CHROMIUM, CHROME (CARCINOGEN BY NTP; IARC GROUP 3) *96-2* CAS:7440-47-3 RTECS #:GB4200000 ACGIH TLV :0.5 MG/CUM EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB Ingred Name:IRON *96-2* CAS:7439-89-6 RTECS #:NO4565500 Ingred Name:MAGNESIUM CAS:7439-95-4 RTECS #:OM2100000 Ingred Name:NICKEL (SUSPECTED ANIMAL/HUMAN CARCINOGEN BY IARC GROUP 2B, SUSPECTED CARCINOGEN BY NTP) *96-2* CAS:7440-02-0 RTECS #:QR5950000 Other REC Limits:1 MG/CUM OSHA PEL:1 MG/CUM ACGIH TLV:0.05 MG/CUM IC Ingred Name:SODIUM CAS:15307-79-6 RTECS #:AG6310000

Ingred Name:LEAD, INORGANIC LEAD (IARC CARC GROUP 2B) *96-2* CAS:

7439-92-1 RTECS #:OF7525000 ACGIH TLV:0.15 MG/CUM EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:SILICON CAS:7440-21-3 RTECS #:VW0400000 ACGIH TLV:10 MG/CUM

Ingred Name:TIN *96-2* CAS:7440-31-5 RTECS #:XP7320000 OSHA PEL:2 MG/CUM ACGIH TLV:2.0 MG/CUM

Ingred Name:TITANIUM, DRY POWDER *96-2* CAS:7440-32-6 RTECS #:XR1700000

Ingred Name:ZINC CAS:7440-66-6 RTECS #:ZG8600000 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE *96-2* CAS:7439-96-5 RTECS #:OO9275000 OSHA PEL:5 MG/ CUM ACGIH TLV:5 MG/CUM (DUST)

LD50 LC50 Mixture:ORAL LD50(RAT): 29,000 MG/KG Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:THIS PRODUCT MAY BE IRRITATING TO THE EYES & MAY CAUSE SLIGHT SKIN IRRITATION. Explanation of Carcinogenicity:SEE INGREDIENTS. Effects of Overexposure:THIS PRODUCT MAY BE IRRITATING TO THE EYES & MAY C

AUSE SLIGHT SKIN IRRITATION.

First Aid:INHALATION: REMOVE FROM EXPOSURE. EYES: WASH W/CLEAR WATER
FOR 15 MINS. SKIN: WASH W/SOAP & WATER. INGESTION: DON'T INDUCE
VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Flash Point Method:COC Flash Point:420F Extinguishing Media:CO2, DRY CHEMICAL, FOAM Fire Fighting Procedures:NONE Unusual Fire/Explosion Ha zard:NONE

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

Handling and Storage Precautions: USE NORMAL GOOD HOUSEKEEPING PROCEDURES.

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

Respiratory Protection :NOT NORMALLY NEEDED UNLESS OIL MIST OCCURS THEN USE DUST/MIST CARTRIDGE. Ventilation:EXHAUST SYSTEM SHOULD BE IN PROPER WORKING ORDER TO FURNISH NORMAL WORKPLACE VENTILATION. Protective Gloves:RUBBER Eye Protection:SAFETY GLASSES Work Hygienic Practices:USE NORMAL GOOD HOUSEKEEPING PROCEDURES. Supplemental Safety and Health

Vapor Pres:0 Spec Gravity:0.9119 Solubility in Water:INSOLUBLE Appearance and Odor:GOLDEN BROW

N COLOR W/CHARACTERISTIC ODOR OF LUBRICATING OIL Percent Volatiles by Volume:0

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZERS Hazardous Decomposition Products:PARTIALLY BURNED HYDROCARBONS, METAL OXIDES

Waste Disposal Methods:SMALL: RESIDUES OF THESE PRODUCTS MAY BE DISCARDED IN TRASH. MATERIAL MAY BE DISPOSED OF AS WASTE OIL IN

ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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