

D 19-5 OIL STANDARD

MSDS Number

BXDKK

National Stock Number

6550-00N058693

Product Name

D 19-5 OIL STANDARD

Manufacturer

JOINT OIL ANALYSIS PROGRAM OFFICE

Product Identification

Product ID:D 19-5 OIL STANDARD

MSDS Date:08/20/1991

FSC:6550

NIIN:00N058693

MSDS Number: BXDKK

Responsible Party

JOINT OIL ANALYSIS PROGRAM OFFICE

BLDG 78, NAS

PENSACOLA , FL 32508-5300

US

Emergency Phone: 904-452-3191

Info Phone: 904-452-3191

Cage: JOINT

Contractor

NAVAL AIR REWORK FACILITY (CODE 440)

PENSACOLA, FL 32508-5150

US

904-452-3191

Cage: 89771

Ingredients

BASE METALS CONTAINING INGREDIENT 2 - 19

RTECS: 9999999ZZ

Fraction By Weight: 0.01%

OSHA PELN/K

ACGIH TLV: N/K

SILVER;(AG) (SARA 313) (CERCLA)

CAS: 7440-22-4

RTECS: VW3500000

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

ALUMINUM;(AL) (SARA 313)

CAS: 7429-90-5

RTECS: BD0330000

OSHA PEL15 MG/M3 DUST

ACGIH TLV: 10 MG/M3 DUST

BORON;(B)

CAS: 7440-42-8

RTECS: ED7350000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3

COPPER;(CU) (SARA 313) (CERCLA)

CAS: 7440-50-8

RTECS: GL5325000

OSHA PEL0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2 MG/M3 FUME

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

CHROMIUM;(CR) (SARA 313) (CERCLA)

CAS: 7440-47-3

RTECS: GB4200000

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

IRON (FE)

CAS: 7439-95-4

RTECS: OM2100000

OSHA PEL10 MG/M3 (FE)

ACGIH TLV: 5MG(FE)/M3FUME,B2

MAGNESIUM;(MG)

CAS: 7439-95-4

OSHA PEL15 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3; FUME

MANGANESE;(MN) (SARA 313)

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL5 MG/M3 DUST,C

ACGIH TLV: 5 MG/M3 DUST

NICKEL;(NI) (SARA 313) (CERCLA)

CAS: 7440-02-0

RTECS: QR5950000

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3

SODIUM;(NA) (CERCLA)

CAS: 7440-23-5

RTECS: VY0686000

OSHA PELN/K

ACGIH TLV: N/K

LEAD;(PB) (SARA 313) (CERCLA)

CAS: 7439-92-1

RTECS: OF7525000

OSHA PELSEE 1910.1025

ACGIH TLV: 0.15MG/M3 DUST

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

SILICON;(SI)

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

TIN;(SN)

CAS: 7440-31-5

RTECS: XP7320000

OSHA PELN/K

ACGIH TLV: N/K

TITANIUM;(TI)

CAS: 7440-32-6

RTECS: XR1700000

OSHA PEL0.2 MG/M3 DUST; Z-2

ACGIH TLV: 0.01 MG/M3 DUST

CADMIUM;(CD) (SARA 313) (CERCLA)

CAS: 7440-43-9

RTECS: ZG8600000

OSHA PEL0.2 MG/M3 DUST;Z-2

ACGIH TLV: 0.01 MG/M3 DUST

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

VANADIUM; (V)

CAS: 7440-62-2

RTECS: YW1350000

OSHA PELN/K

ACGIH TLV: N/K

ZINC;(ZN)

CAS: 7440-66-6

RTECS: ZG8600000

OSHA PELN/K

ACGIH TLV: N/K

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

MOLYBDENUM;(MO)

CAS: 7439-98-7

RTECS: QA4680000

OSHA PEL10 PPM

ACGIH TLV: 10 PPM

OIL. GRADE 1100

Fraction By Weight: >99%

OSHA PELN/K

ACGIH TLV: N/K

Hazards

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:THIS PRODUCT MAY BE IRRITATING TO THE EYES AND MAY CAUSE SLIGHT SKIN IRRITATION. AVOID BREATHING MIST OR AEROSOLS OF THIS PRODUCT. NOTE: LEAD APPEARS ON THE NAVY LISTING OF OCCUPATIONAL CHEMICAL REPRO DUCTIVE HAZARDS. SEEK CONSULTATION FROMAPPROP(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFORMATION AND SAFE HANDLING & EXPOSURE INFORMATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP). EYES: REMOVE FROM EXPOSURE SITUATION, WASH EYES FOR AT LEAST 15 MINUTES W/CLEAR WATER, SEE MD. SKIN: WASH W/SOAP & WATER. INGEST: DO NOT INDUCE VOMITING. CONSULT MD IF INGESTED.

Fire Fighting

Flash Point Method:COC

Flash Point:420F,216C

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:NONE.

Accidental Release

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.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:EXHAUST SYSTEM SHOULD BE IN PROPER WORKING ORDER TO FURNISH NORMAL WORKPLACE VENTILATION.

Exposure Controls

Respiratory Protection:NOT NORMALLY NEEDED UNLESS OIL MIST OCCURS THEN USE DUST/MIST CARTRIDGE. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHST: NOTHING BEYOND NORMAL VENTILATION.

Protective Gloves:RUBBER GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS.

Other Protective Equipment:EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

BOILING PT: VERY HIGH RANGE.

Chemical Properties

Boiling Pt:B.P. Text:SUP DAT

Vapor Pres:NIL

Spec Gravity:0.9119(H*20=1)

Solubility in Water:NIL

Appearance and Odor:PEARLESCENT BLACK COLOR, CHARACTERISTIC ODOR OF LUBRICATING OIL.

Percent Volatiles by Volume:NIL

Stability

Stability Indicator/Materials to Avoid:YES

DO NOT MIX WITH STRONG OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:PARTIALLY BURNED HYDROCARBONS, METAL OXIDES.

Disposal

Waste Disposal Methods:SMALL SPILL RESIDUES OF THESE PRODUCTS ARE NOT CONSIDERED HAZARDOUS & MAY BE DISCARDED AS TRASH. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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 advice to verify and

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