

D 19-700 OIL STANDARD

MSDS Number

BXDKR

National Stock Number

6550-00N058699

Product Name

D 19-700 OIL STANDARD

Manufacturer

JOINT OIL ANALYSIS PROGRAM OFFICE

Product Identification

Product ID:D 19-700 OIL STANDARD

MSDS Date:08/20/1991

FSC:6550

NIIN:00N058699

MSDS Number: BXDKR

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 INCLUDING INGREDIENTS 2-19.

RTECS: 9999999ZZ

Fraction By Weight: 0.07%

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: 7439-89-6

RTECS: NO4565500

OSHA PEL10 MG/M3 (FE)

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

MAGNESIUM; (MG)

CAS: 7439-95-4

RTECS: OM2100000

OSHA PEL15 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3; FUME

MANGANESE; (MN)

CAS: 7439-96-5

RTECS: OO9275000

OSHA PELC 5 MG/M3 DUST

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 PEL2 MG/M3

ACGIH TLV: 2 MG/M3

TITANIUM; (TI)

CAS: 7440-32-6

RTECS: XE1700000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

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

CAS: 7440-43-9

RTECS: EU9800000

OSHA PEL0.2 MG/M3 DUST

ACGIH TLV: 0.01 MG/M3 DUST

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

VANADIUM; (V) (SARA 313)

CAS: 7440-62-2

RTECS: YW1355000

OSHA PELN/K

ACGIH TLV: N/K

ZINC; (ZN) (SARA 313) (CERCLA)

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) (SARA 313)

CAS: 7439-98-7

RTECS: QA4680000

OSHA PEL5 MG(MO)/M3

ACGIH TLV: 5 MG(MO)/M3

Hazards

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

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

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

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

LEAD APPEARS ON THE NAVY LISTING OF OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS. SEEK CONSULTATION FROM APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFORMATION AND SAFE HANDLING (EFTS OF OVEREXP)

Explanation of Carcinogenicity:CADMIUM: IARC MONOGRAPHS, SUPP, VOL 7, PG139, 1987: GROUP 2A. NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1994: (SUP DAT)

Effects of Overexposure:HLTH HAZ: AND EXPOSURE INFORMATION .

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYES: WASH WITH CLEAR WATER FOR AT LEAST 15 MINUTES. SEE MD.

SKIN: WASH WITH SOAP AND WATER. INGEST: CONSULT PHYSICIAN. DO NOT

INDUCE VOMITING. INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING
(GIVE OXYG EN OR ARTIFICIAL RESPIRATION) .

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:NORMAL GOOD HOUSEKEEPING PROCEDURES.

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 NIOSH/MSHA APPROVED DUST/MIST CARTRIDGE RESPIRATOR.

Ventilation:LOCAL EXHAUST: 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

BP: VERY HI RANGE. CARCIN EXPLAN: ANTICIPATED TO BE CARCINOGEN HUMAN:
LUNG, PROSTATE, RENAL SYS EFTS. OSHA 29 CFR 1910.1027 - HUMAN CARC.

NICKEL: IARC MONOGRAPHS ON EVAL OF CARC RISK OF CHEM TO MAN, V OL
49, PG 257, 1990: GROUP 2B. NTP 7TH ANNUAL RPT ON CARC, 1994:

ANTICIPATED TO BE CARC HUMAN: LUNGS, NASAL CAVITIES.

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 AND MAY BE DISCARDED AS TRASH. DISPOSE OF IN
ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS .

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