

PERFECT EQPMT -- ANTIMONIAL LEAD; HARD LEAD
MATERIAL SAFETY DATA SHEET
PERFECT EQPMT AS OF January 1999
NSN: 681000D020146
Manufacturer's CAGE: 9G287
Part No. Indicator: A
Part Number/Trade Name: ANTIMONIAL LEAD; HARD LEAD

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General Information

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Company's Name: PERFECT EQPMT CORP
Company's Street: 1435 HEIL QUAKER BLVD
Company's P. O. Box: 600
Company's City: LAVERGNE
Company's State: TN
Company's Country: US
Company's Zip Code: 37086
Company's Emerg Ph #: 615-793-1950
Company's Info Ph #: 615-793-1950
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 08FEB90
Safety Data Review Date: 01NOV96
MSDS Serial Number: CCBQS
Specification Number: UNKNOWN
Hazard Characteristic Code: N1
Unit Of Issue: NK
Unit Of Issue Container Qty: UNKNOWN
Type Of Container: UNKNOWN
Net Unit Weight: UNKNOWN

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: LEAD (SARA 313) (CERCLA)
Ingredient Sequence Number: 01
Percent: 93-98
NIOSH (RTECS) Number: OF7525000
CAS Number: 7439-92-1
OSHA PEL: SEE 1910.1025
ACGIH TLV: 0.05MG/M3, A3; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ANTIMONY (SARA 313) (CERCLA)
Ingredient Sequence Number: 02
Percent: 2-6
NIOSH (RTECS) Number: CC4025000
CAS Number: 7440-36-0
OSHA PEL: 0.5 MG/M3
ACGIH TLV: 0.5 MG (SB)/M3; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ARSENIC (SARA 313) (CERCLA)
Ingredient Sequence Number: 03
Percent: 0-0.5
NIOSH (RTECS) Number: CG0525000
CAS Number: 7440-38-2
OSHA PEL: SEE 1910.1018
ACGIH TLV: 0.01 MG/M3, A1; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: TIN
Ingredient Sequence Number: 04
Percent: 0-0.5
NIOSH (RTECS) Number: XP7320000
CAS Number: 7440-31-5
OSHA PEL: 2 MG/M3
ACGIH TLV: 2 MG/M3; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: COPPER (SARA 313) (CERCLA)
Ingredient Sequence Number: 05
Percent: 0-0.1
NIOSH (RTECS) Number: GL5325000
CAS Number: 7440-50-8
OSHA PEL: 0.1MG/M3 FUME/1 DUST
ACGIH TLV: 0.2 MG/M3 FUME; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: SULFUR (PER MSDS NOT HAZ IN ITS PRESENT FORM)
Ingredient Sequence Number: 06
Percent: 0-0.01
NIOSH (RTECS) Number: WS4250000
CAS Number: 7704-34-9
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED
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Physical/Chemical Characteristics

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Appearance And Odor: SILVER-GRAY METAL, ODORLESS. VARIOUS SHAPES & SIZES.
Boiling Point: >2700F,>148
Melting Point: 621F,327C
Vapor Pressure (MM Hg/70 F): NA
Vapor Density (Air=1): NA
Specific Gravity: 9.7-11.3
Decomposition Temperature: NP
Evaporation Rate And Ref: NA
Solubility In Water: INSOLUBLE
Percent Volatiles By Volume: NA
Viscosity: NP
pH: NP
Corrosion Rate (IPY): NP

Autoignition Temperature: NA

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Fire and Explosion Hazard Data

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Flash Point: AN

Lower Explosive Limit: NA

Upper Explosive Limit: NA

Extinguishing Media: DRY CHEMICAL, CO2 SHOULD BE USED ON SURROUNDING FIRE.

DO NOT USE WATER ON FIRES WHERE MOLTEN METAL IS PRESENT.

Special Fire Fighting Proc: USE APPROVED FULL-FACEPIECE SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING IF INVOLVED IN FIRE.

Unusual Fire And Expl Hazrds: MOLTEN METALS PRODUCE FUME/DUST/MIST THAT MAY BE TOXIC &/OR RESPIRATORY IRRITANTS. PRODUCTS OR DUST CAN REACT VIGOROUSLY W/STRONG OXIDIZING AGENTS.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): NOT APPLICABLE

Materials To Avoid: HALOGEN GASES, OXIDIZERS, ACIDS, HYDROGEN PEROXIDE RX VIOL UNDER RED CONDITIONS (STRONG ACID/BASE & ACTIVE METAL), (SUPPLEMENT)

Hazardous Decomp Products: TEMPERATURES ABOVE MELTING PT MAY PRODUCE LEAD

OXIDE DUST &/OR FUMES.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: INHAL: WHEN SCATTERED IN AIR

DUST/FUME/MIST

ABSORBED THRU DIGESTIVE SYS. SKIN: DUST/FUME/MIST NOT READILY ABSORBED THRU

SKIN. MAY CAUSE MECHANICAL IRRIT, DERM RESULT FROM REPEATED CONTACT W/ ANTIMONY/ARSENIC/TIN COMPOUNDS. EYE: DUST/FUME/MIST MAY CAUSE (SUPPL)

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: YES

Explanation Carcinogenicity: PER MSD: LEAD/COMPOUNDS AND ARSENIC.

Signs/Symptoms Of Overexp: ACUTE: WEAK, VOMIT, LOSS OF APPETITE, UNCOORD BODY

MOVEMENTS, CONVULS, STUPOR, BLOODY STOOLS, COMA. CHRONIC: WEAK, INSOMNIA, HYPERTENSION, SLIGHT SKIN/EYE IRRIT, METALLIC TASTE IN MOUTH, ANEMIA, CONSTIPATION, HEAD, MUSCLE/JOINT PAINS, NEUROMUSCULAR

DYSFUNCTION, PARALYSIS,

ENCEPHALOPATHY, PNEUMOCONIOSIS. PULM IRRIT, KID/LIV/CNS DMG.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: INHAL:REMOVE FROM EXPO.GET MED ATTN IF
EXPERIENCING EFFECTS OF OVEREXPO. INGEST:GET IMMED MED ATTN. EYE:FLUSH
W/LG
QUANT OF WATER.GET IMED ATTN. SKIN:WASH THOROUGHLY W/SOAP/WATER.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: DUST/PARTICULATE VACUUMED/WET SWEEPED WHERE
VAC INFEASIBLE.PLACE MATL IN DRY CLSD CNTNR FOR DISPO/RECYCLE.DO NOT
USE

COMPRESSED AIR OR DRY SWEEPING FOR CLEANING.USE APPROVED RESP
PROTECTION IF

DUST/FUME EXPO POSSIBILITY EXISTS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: MATL SHOULD BE RECYCLED IF ALL POSSIBLE.

COLLECTION/TRANSP/STORAGE SHOULD BE IAW FED/STATE/LOC LAWS.

Precautions-Handling/Storing: STORAGE SHOULD BE IAW FED/STATE/LOC LAWS.

STORE IN DRY AREA WHERE ACCIDENTAL CONTACT W/ACIDS/BASES/HYDROGEN
PEROXIDE/

HALOGEN GASES IS NOT POSSIBLE.

Other Precautions: CONFINE EAT/SMOKE TO NONCONTAMIN AREAS.WORK

CLOTH/EQPM

SHOULD REMAIN IN DESIGNATED CONTAMIN AREAS;NEVER TAKE HOME/LAUNDERED W/
PERSONAL CLOTH.DO NOT USE COMPRESSED AIR FOR BLOWING DUST OFF CLOTH.

CONSULT:OSHA 29CFR1910.1025/29CFR1910.1018.

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Control Measures

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Respiratory Protection: USE OF APPROVED (OSHA 29CFR1910.1025(F) &
29CFR11910.1019(H)) RESPIRATORS IS REQUIRED FOR APPLICATION SWHERE
ADEQUATE

VENTILATION CANNOT BE PROVIDED.

Ventilation: LOC EXHAU VENTI MUST BE PROVIDED IN AREAS WHERE EXPO ARE
ABOVE PERMISSIBLE LIMITS/TLV SPEC BY OSHA OR LOC/STATE/FED REGS

Protective Gloves: GLOVES SHOULD BE WORN WHEN HDNLG PROD.

Eye Protection: FCSHIELDS,VENT GOGG W/MOLTEN METLA(SUPP)

Other Protective Equipment: FULL PROT CLOTH REQUIRED IF PEL EXCEEDED.

HARDHAT,SAFETY SHOES,OTHER SAF EQPMT WORN AS APPROPRIATE FOR ENVIRO.

Work Hygienic Practices: WASH HANDS/FACE/NECK/ARMS THOROUGHLY BEF EAT/
SMOKE.

Suppl. Safety & Health Data: INCOMPAT:PRESENCE OF NASCENT
HYDROGEN,HIGHLY

SAFTEY GLASSES FOR OPERATIONS GENERATING FLYING PIECES.

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Transportation Data

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Trans Data Review Date: 96306

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Disposal Data

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Label Data

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Label Required: YES
Technical Review Date: 01NOV96
Label Status: F
Common Name: ANTIMONIAL LEAD; HARD LEAD
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: INHAL:DUST/FUME/MIST INHAL/ABSORBED THRU
LUNGS/UPPER RESP TRACT,CAUSE RESP TRACT IRRIT.INGEST:ABSORBED THRU GI
SYS.
SKIN:DUST/FUME/MIST NOT READILY ABSORBED THRU SKIN.MAY CAUSE MECH
IRRIT,
DERM RESULT FROM REPEATED CONTACT W/ANTIMONY/ARSENIC/TIN
CMPDS.EYE:DUST/
FUME/MIST MAY CAUSE MECH IRRIT..TARGET ORGANS:EYE/SKIN/RESP
TRACT/LIVER/
KIDNEY/CNS. FIRST AID: INHAL:REMOVE FROM EXPO.GET MED ATTN IF
EXPERIENCING
EFFECTS OF OVEREXPO. INGEST:GET IMMED MED ATTN. EYE:FLUSH W/LG QUANT OF
WATER.GET IMED ATTN. SKIN:WASH THOROUGHLY W/SOAP/WATER. DISPO:RECYCLED,
DISPO IAW FED/STATE/LOC LAWS.SPILL:VAC/WET SWEPT.DISPO/RECYCLE.RESP
PROTECTION.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PERFECT EQPMT CORP
Label Street: 1435 HEIL QUAKER BLVD
Label P.O. Box: 600
Label City: LAVERGNE
Label State: TN
Label Zip Code: 37086
Label Country: US
Label Emergency Number: 615-793-1950