

LOW ALLOY LOW H COVERED ELEC 11018-M-XLM

MSDS Number

BJDNL

National Stock Number

3439-00-465-1908

Product Name

LOW ALLOY LOW H COVERED ELEC 11018-M-XLM

Manufacturer

TELEDYNE MCKAY

Product Identification

Product ID:LOW ALLOY LOW H COVERED ELEC 11018-M-XLM

MSDS Date:03/01/1989

FSC:3439

NIIN:00-465-1908

MSDS Number: BJDNL

Responsible Party

TELEDYNE MCKAY

850 GRANTLEY RD

YORK , PA 17405

US

Emergency Phone: 717-845-7581

Cage: 76254

Contractor

POLY RESEARCH CORPORATION

HOLTSVILLE, NY 11742-2007

US

516-758-0460

Cage: 64713

Ingredients

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

NICKEL OXIDE, NIO

CAS: 1313-99-1

RTECS: QR8400000
OSHA PEL1 MG/M3
ACGIH TLV: 1 MG/M3

CALCIUM FLUORIDE, CAF*2 (INSOLUBLE)
CAS: 14542-23-5
OSHA PEL2.5 MG/M3 (FLUORINE)
ACGIH TLV: 2.5 MG/M3 (FLUORINE)

SODIUM FLUORIDE (SARA III)
CAS: 7681-49-4
RTECS: WB0350000
OSHA PEL2.5 PPM F
ACGIH TLV: 2.5 MG F/M3; 9192
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

IRON, FE
CAS: 7439-89-6
RTECS: NO4565500
OSHA PEL5 MG/M3
ACGIH TLV: 5 MG/M3

COPPER (SARA III)
CAS: 7440-50-8
RTECS: GL5325000
OSHA PEL0.1MG/M3 FUME/1 DUST
ACGIH TLV: 0.2MG/M3 FUME; 9192
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

CARBON BLACK
CAS: 1333-86-4
RTECS: FF5800000
Fraction By Weight: .07%
OSHA PEL3.5 MG/M3
ACGIH TLV: 3.5 MG/M3; 9192

MOLYBDENUM
CAS: 7439-98-7
RTECS: QA4680000

Fraction By Weight: .40%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE: PHYSICAL ACCIDENTS; STRAINS; RADIA BURNS, I.E. EYE FLASH; HEAT BURNS, METAL FUME FEVER. CHRONIC: RESP DISEASE, I.E. SIDEROSIS, LUNG MANGANISM. SIGNS & SYM (CONT): OXYG DEPRIVATION (30-34); HEAD ACHE, RAPID BREATHING CONFUSION, WEAKNESS (30).

Explanation of Carcinogenicity:NICKEL AND NICKEL OXIDE POSS CARCINOGENS.

Effects of Overexposure:SYMPS KEYED TO INGREDIS IN "()". NUISANCE DUST

(17-20); METAL FUME FEVER (10,11,21,22); ALLERGIC RXN (4-11); DRY

THROAT, TIGHT CHEST, NAUSEA/VOMITING (1-3,10,11); MUC MEM IRRIT

(1,4-6,12-16,25-29); PUL M EDEMA (28,29); DIZZ (1,30);

PULM/RESPIRRIT (21-24); DERMATITIS (23,24); SEE HEALTH HAZARD.

Medical Cond Aggravated by Exposure:RESP OR ALLERGIC CONDITIONS.

STUDIES HAVE SHOWN A HIGHER LEVEL OR LUNG RELATED PROBLEMS AMONG OLDER WELDERS WHO SMOKED THAN THOSE WHO DID NOT SMOKE.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. IF UNCON BUT BRTHING, GIVE OXYG;

IF NOT, ADMIN CPR. KEEP WARM/REST. GET MD. EYE: REMOVE CONT LENSES.

THOROUGHLY FLUSH EYES W/H*20 15 MIN. DRESS. DO NOT REMOVE DUST.

CALL MD . FLASH BURNS: APPLY COLD/ICE 5-10 MIN.REPEAT. DO NOT RUB

OR USE OINTMENT/DROPS W/O MD PRESCRIPT. GET MD. SEE SUPP DATA.

Fire Fighting

Extinguishing Media:PROD NONFLAMMABLE, NONEXPLOSIVE

Fire Fighting Procedures:PROD NONFLAMMABLE, NONEXPLOSIVE

Unusual Fire/Explosion Hazard:THE WELDING ARC AND SPARKS (SPATTER) CAN

IGNITE COMBUSTIBLE AND FLAMMABLE MATERIALS.

Accidental Release

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:TRAIN WELDER TO AVOID ELECTRICAL SHOCK (I.E.

MAINTAINING A DRY WORK AREA, INSULATING HIMSELF FROM WORK AND

GROUND, NOT TOUCHING LIVE ELECTRICAL PARTS) AND TO AVOID FUME

PLAINE.

Exposure Controls

Respiratory Protection:RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESP

WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR

VENTILATION DOES NOT KEEP EXPOSURE BELOW THE PEL OR TLV.

Ventilation:NATRL VENT IF >10,000FT3/WELDER; CEILING 16FT; NO CONFINED

SPACE, PARTITIONS, BARRIERS TO NATRL AIR FLOW. SEE SUPP DATA.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD.

Other Protective Equipment: ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, DARK SUBSTANTIAL CLOTHING.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
SKIN: FLUSH W/ LGE AMTS OF H*20. WASH W/ SOAP & H*20. REMOVE CONTAM CLTHG.
FLUSH MUC MEM W/ H*20 IF IRRIT. DRESS. THERMAL/ELEC BURNS: H*20/ICE COMPRESS. DRESS. CALL MD. VENT (CONT): IF NATRL VENT CANNOT MAINTAIN CONTAM BELOW PEL MECH VENT, RESPIRATORS &/OR LEV AT ARC REQUIRED.

Chemical Properties

Appearance and Odor: WELDING ELECTRODE

Stability

Stability Indicator/Materials to Avoid: YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: FUMES: COMPLEX OXIDE & FLUORIDE COMBINATION. GASES: NORM. LOW, IF NEC, CHECK FOR GASEOUS FLUORIDES &/OR OXIDES OF NITROGEN.

Disposal

Waste Disposal Methods: DISPOSE OF FUME OR FLUX OR WELDING GRINDING RESIDUES FROM THE WORK AREA OR FROM FILTERS I/A/W EPA OR LOCAL 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.