

TELEDYNE MCKAY -- 11018-M XLM 0.156 10 LBS WELDING ROD -- 3439-00-165-4165

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Product Identification  
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Product ID:11018-M XLM 0.156 10 LBS WELDING ROD

MSDS Date:03/01/1989

FSC:3439

NIIN:00-165-4165

MSDS Number: BJDJH

=== Responsible Party ===

Company Name:TELEDYNE MCKAY

Address:850 GRANTLEY RD

Box:1509

City:YORK

State:PA

ZIP:17405

Country:US

Info Phone Num:717-849-2490

Emergency Phone Num:

717-845-7581

CAGE:76254

=== Contractor Identification ===

Company Name:HOBART BROS CO MCKAY WELDING PRODUCTS DIV

Address:400 TRADE SQ E

Box:City:TROY

State:OH

ZIP:45373-2900

Country:US

Phone:513-332-5706

CAGE:76254

Company Name:SHAMROCK SUPPLY CO

Address:301 E. ALTON AVE

Box:City:SANTA ANA

State:CA

ZIP:92707

Country:US

Phone:714-556-4422

CAGE:48111

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Composition/Information on Ingredients  
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 96%

Other RE

C Limits:NONE SPECIFIED  
OSHA PEL:10 MG/M3 FE2O3 AS FE  
ACGIH TLV:5 MG/M3 FE2O3 AS FE

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 1.60%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 1.50%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 0.40%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 0.40%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Fraction by Wt: 0.07%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)  
CAS:1344-28-

1  
RTECS #:BD1200000  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CALCIUM OXIDE  
CAS:1305-78-8  
RTECS #:EW3100000  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:2 MG/M3; 9192

Ingred Name:MAGNESIUM OXIDE  
CAS:1309-48-4  
RTECS #:OM3850000  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 PARTICULATE  
ACGIH TLV:10 MG/M3;TDUST; 9293

Ingred Name:SODIUM OXIDE  
CAS:1313-59-3  
F  
raction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CALCIUM FLUORIDE  
CAS:7789-75-5  
RTECS #:EW1760000  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2.5 MG/M3 (F)  
ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM OXIDE  
CAS:12136-47-7  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED

Ingred

Name:STRONTIUM OXIDE  
CAS:1314-11-0  
Fraction by Wt: TRACE  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:FUMES AND GASES CAN BE DANGEROUS TO  
YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK  
CAN KILL. NOISE CAN DAMAGE HEARING.  
Explanation of Carcinogenicity:NICKEL IS LISTED  
UNDER IARC, NTP.  
Effects of Overexposure:ACUTE:METALLIC TASTE,NAUSEA,TIGHTNESS OF  
CHEST,FEVER,DIZZINESS,DRYNESS,IRRITATION OF EYES,NOSE AND THROAT.  
CHRONIC:EXCESSIVE LEVELS MAY CAUSE BRONQUIAL ASTHMA,LUNG FIBROSIS  
AND PNEUMOCONIOSIS.  
Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY  
OR ALLERGIC CONDITIONS.HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG  
SMOKERS.

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===== First Aid Measures =====

First Aid:REMOVE FROM EXPO  
SURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF  
NOT BREATHING,GIVE CPR/OXYGEN. EMPLOY FIRST AID TECHNIQUES  
RECOMMENDED BY AMERICAN RED CROSS.

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===== Fire Fighting Measures =====

Extinguishing Media:AS APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:WE  
LDING ARCS, SPARKS, ETC. MAY IGNITE  
COMBUSTIBLE MATERIAL.

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===== Accidental Release Measures =====

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE  
AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN DRY AREA. ELECTRODES EXPOSED  
TO MOISTURE MAY EXPLODE VIOLENTLY IF USED. DRY MOIST RODS BY BAKING  
AT 300F FOR TEN HOURS.  
Other Preca

utions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES.AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA. WELDING ARC CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:SUBSTANTIAL DARK CLOTH,ARM PROTECTOR,APRON,HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING,SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health  
NONE.

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===== Physical/Chemical Properties =====

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:WELDING ROD.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:FUMES OF METALS AND METAL OXIDES FROM ELECTRODE AND BASE METAL, FLUORIDES, CARBON MONOXIDE, CARBON DIOXIDE, OZONE, NOX.

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===== Disposal Considerations =====

Waste Disposal Methods:CONSULT WITH YOUR LOCAL ENVIRONMENTAL OFFICER.DISPOSE OF FUMES,FLUX OR WELD GRINDING RESI

DUE FROM THE

WORK AREA OR FROM FILTERS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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