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TELEDYNE MCKAY -- LOW ALLOY LOW H CVRD ELECTRODE, 8018-C3 XLM -- 3439-00-465-1920

Product ID:LOW ALLOY LOW H CVRD ELECTRODE, 8018-C3 XLM

MSDS Date:03/01/1989

FSC:3439

NIIN:00-465-1920

MSDS Number: BJRDZ === Responsible Party ===

Company Name: TELEDYNE MCKAY Address: 850 GRANTLEY ROAD

Box:1509 City:YORK State:PA

ZIP:17405-1509

Country:US

Info Phone Num:717-849-2490

; 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

======= Composition/Information on Ingredients ========

Ingred Name: GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF5250100 Fraction by Wt: 0.05%

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Frac

tion by Wt: 0.9%

OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 0.45%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name: NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 0.95% OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:IRON CAS:7439-89-6

RTECS #:NO4565500 Fraction by Wt: BALANCE

Ingred Name: ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS

FORMS) (SARA III)

CAS:13 44-28-1

RTECS #:BD1200000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name: CALCIUM OXIDE

CAS:1305-78-8

RTECS #:EW3100000 OSHA PEL:5 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name: MAGNESIUM OXIDE

CAS:1309-48-4

RTECS #:OM3850000

OSHA PEL:15 MG/M3 PARTICULATE ACGIH TLV:10 MG/M3;TDUST; 9293

Ingred Name:POTASSIUM OXIDE

CAS:12136-47-7 RTECS #:TT3790000

Ingred Name:SODIUM OXIDE

CAS:1313-59-3

Ingred Name:STRONTIUM OXIDE

CAS:1314-11-0

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #

:XR2275000 OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9293 Ingred Name: CALCIUM FLUORIDE CAS:7789-75-5 RTECS #:EW1760000 Ingred Name: WELDING FUME (NOC) (AS A RESULT OF PRODUCT USE) OSHA PEL:5 MG/M3 ACGIH TLV:5 MG/M3 =========== Hazards Identification ========================== 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:CHRONIC EX POSURE TO WELDING FUMES AND THEIR ORIGINS CAN VARY GREATLY IN EFFECT AND LENGTH. GENERALLY, THESE RANGE FROM SIMPLE IRRITATION TO SEVERELY DEBILITATING CNS EFFECTS AS WELL AS LUNG FIBROSIS A ND RESPIRATORY HYPERSENSITIVITY Explanation of Carcinogenicity: NICKEL: CLASS 1 (IARC), CLASS 2 (NTP) Effects of Overexposure: INHAL: IRRITATION WITH DRY THROAT, COUGHING, CHEST TIGHTNESS, FATIGUE, VOMITING AND HEADACHE. SOME ALLERGIC RESPONSES MAY BE EXHIBITED BY EXPOSED EMPLOYEES. M edical Cond Aggravated by Exposure: PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS. First Aid:INHAL: REMOVE FROM EXPOSURE. IF VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUSCITATE IMMEDIATELY. GET MD.

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE . Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL

PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:THE WELDING ARC AND SPARKS (SPATTER/SLAG) CAN IGNITE COMBUSTIBLE AND FLAMMABLE MATERIALS.
========== Accidental Release Measures ===========
Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
=========== Handling and Storage ============
Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER. Other Precautions:UTILIZE APPROPRIATE SHIELDS/SCREENS TO MINIMIZE UV RADIATION IN THE WORK PLACE DURING WELDING OPERATIONS. TRAIN
WELDER TO KEEP HIS HEAD OUT OF THE FUMES.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRABLE FUME RESPIRATOR OR SUPPLIED AIR RESPIRATOR WHEN WELDING IN CONFINED SPACES. MONITOR TOXIC GASES, FUMES. Ventilation:LOCAL EXHAUST AT ARC TO KEEP FUMES AND GASES FROM WORKER'S BREATHING ZONE AND THE GENERAL AREA. Prote
ctive Gloves:LEATHER WELDERS GLOVES Eye Protection:HELMET/FACESHIELD W/SHADED LENS Other Protective Equipment:WEAR HAND, HEAD, AND BODY PROTECTION. WEAR DARK SUBSTANTIAL CLOTHING. Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health AVOID ELECTRICAL SHOCK BY MAINTAINING A DRY WORK AREA; INSULATE WELDER FROM WORK AND GROUND AND TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL
PARTS. Physical/Chemical Branartics
======================================
earance and Odor:LOW ALLOY STEEL ARC WELDING ELECTRODE
======== Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES NONE SPECIFIED BY MANUFACTURER. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:COMPLEX OXIDE AND FLUORIDE COMBINATIONS OF ALL ELECTRODE INGREDIENTS.
======= Disposal Considerations ==========
Waste Disposal Methods:DISPOSE OF FUME OR FLUX OR WELDING GRIN

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RESIDUES FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH EPA OR LOCAL REGULATIONS.

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