

TELEDYNE MCKAY -- MILD STEEL COVERED ELECTRODES -- 3439-00-262-2671

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Product Identification
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Product ID:MILD STEEL COVERED ELECTRODES

MSDS Date:08/01/1991

FSC:3439

NIIN:00-262-2671

MSDS Number: BJRDB

=== Responsible Party ===

Company Name:TELEDYNE MCKAY

Address:850 GRANTLEY RD

Box:1509

City:YORK

State:PA

ZIP:17405-1509

Country:US

Info Phone Num:717-849-2490, FAX:717-849-2365

Emergency P

hone Num:717-849-2490

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:PACIFIC ENGINEERING AND INDUSTRIAL SUPPLY INC

Address:840 W 1700 S

Box:City:SALT LAKE CITY

State:UT

ZIP:84104-1735

Country:US

Phone:801-974-5940

CAGE:1FJ69

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Composition/Information on Ingredients
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Ingred Name:CARBON BLACK

CAS:1333-8

6-4
RTECS #:FF5800000
Fraction by Wt: 0.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.50%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 0.25% %
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:
NO7400000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9192

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SHORT TERM OVEREXPOSURE TO FUMES
GENERATED DURING WELDING PROCESSES MAY PRODUCE METAL FUME FEVER.
LONG TERM OV

EREXPOSURE MAY RESULT IN SIDEROSIS OR SIMILAR PULMONARY CONDITIONS. IN ADDITION TO THESE, WELDING HAZARDS INCLUDE ULTRA VIOLET RADIATION BURNS FROM THE ARC RAYS, THERMAL BURNS AND ELECTRIC SHOCK.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT AT 0.1% OR GREATER THAT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, RESPIRATORY TRACT IRRITATION

Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY ILLNESSES

AND/OR ALLERGIES MAY BE AGGRAVATED BY EXPOSURE TO WELDING FUMES.

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

First Aid:ADMINISTER FIRST AID AS RECOMMENDED BY THE AMERICAN RED CROSS. INHALED:REMOVE FROM EXPOSURE. SUPPORT OR RESTORE BREATHING AND GET MEDICAL ATTENTION AS NEEDED. ELECTRICAL SHOCK:TURN OFF POWER, ADMINI STER FIRST AID AND GET IMMEDIATE MEDICAL ATTENTION. THERMAL AND RADIATION BURNS;SKIN:NORMAL FIRST AID. SEE DOCTOR IF NEEDED. RADIATION BURNS;EYES:GET IMMEDIATE MEDICAL CARE.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING FIRE.

Unusual Fire/Explosion Hazard:ARCS, SPARKS OR HOT METAL FROM A WELDING OPERATION MAY IGNITE NEARBY COMBUSTIBLE MATERIAL.

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

Spill Release Procedures:SWEEP UP DUST AND SPILLED MATERIALS. STORE FOR PROPER DISPOSAL. HMIS:USE CAUTION NOT TO RAISE NOR TO BREATHE DUST DURING SWEEPING.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MAINTAIN GOOD HOUSEKEEPING PROCEDURES TO PREVENT DUST ACCUMULATION FROM GRINDING, ETC.

Other

Precautions:READ AND UNDERSTAND MFR'S INSTRUCTIONS AND PRECAUTIONARY LABEL ON THE PRODUCT. FOLLOW ALL PROCEDURES IN ANSI Z49.1 AND OSHA 29 CFR 1910. PERIODIC MEDICAL EXAMINATIONS ARE RECOMMENDED FOR INDIVIDUALS REGULARLY EXPOSED TO DUST OR FUME.

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

Respiratory Protection:NONE NEEDED FOR ELECTRODES AS RECEIVED. USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN AN ENCLOSED AREA OR WHEN LOCAL EXHAUST DOES NOT MAINTAIN EXPOSURE BELOW THE PEL OR TLV.

Ventilation:USE VENTILATION OR LOCAL EXHAUST AT THE ARC TO KEEP THE FUMES & GASES AT THE WORKERS BREATHING ZONE BELOW THE PEL/TLV.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET/FACE SHIELD W/ANSI LENS

Other Protective Equipment:WEAR HAND, HEAD, AND BODY PROTECTION WHICH HELPS TO PREVENT INJURY FROM RADIATION, SPARKS, AND ELECTRICAL SHOCK/

Work Hygienic Practices:HMIS: USE GOOD INDUSTRIAL HYGIENE PRACTICE.

WASH AFTER USING THE PRODUCT AND BEFORE EATING, DRINKING, ETC.

Supplemental Safety and Health

KEY2:KT TRAIN WELDER TO AVOID ELECTRICAL SHOCK BY MAINTAINING A DRY AREA AND INSULATING HIMSELF FROM HIS WORK AND GROUND.

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

HCC:N1

NRC/State Lic Num:NONE

Appearance and Odor:SOLID METAL ROD 5/32 IN. DIA. X 14 IN LONG

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

Stability Indicator/Materials to Avoid:Y

ES

NO INFORMATION GIVEN ON MSDS BY MFR.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:WELDING AND CUTTING FUMES CANNOT BE CLASSIFIED AND WILL VARY WITH ELECTRODE, BASE METAL FLUX AND PROCESS USED.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF FUME OR WELDING GRINDING RESIDUES FROM WORK AREA AND FILTERS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND

FEDERAL REGULATIONS.

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