

TELEDYNE MCKAY -- E6011 WELDING ROD -- 3439-00-262-2656

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Product Identification
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Product ID:E6011 WELDING ROD

MSDS Date:03/01/1989

FSC:3439

NIIN:00-262-2656

MSDS Number: BHXXY

=== 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

Emergency Phone Num:717-845-7581

CAGE:76254

=== Contr

actor 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

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Composition/Information on Ingredients
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: >99% ROD

Other REC Limits:NONE SPECIFIED

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0.25%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV

:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 0.35%

Other REC Limits:NONE SPECIFIED

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF5250100

Fraction by Wt: 0.08%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST; 9293

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

CAS:1344-28-1

RTECS #:BD1200000

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

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

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 PARTICULATE

ACGIH TLV:10 MG/M3;TDUST; 9293

Ingred Name:POTASSIUM OXIDE (IN COATING)

CAS:12136-45-7

RTECS #:YY3790000

Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM MONOXI

DE (IN COATING)
CAS:12401-86-4
RTECS #:WC4800000
Other REC Limits:NONE SPECIFIED

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

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HAZARDS INCLUDE BREATHING OF METAL
OXIDE FUMES, METAL FUME FEVER, ULTRAVIOLET LIGHT BURNS OF SKIN
AND/OR EYES, THERMAL BURNS, AND ELECTRIC SHOCK.
Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT
IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN
DIZZINESS, NAUSEA, FEVER AND/OR IRRITATION OF NOSE, THROAT AND
EYES. TOXIC GASES CAN BE FATAL.
Medical Cond Aggravated by Exposure:SOME WORKERS MAY BE AFFECTED BY A
PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS BECAUSE OF THE
WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.

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===== First Aid Measures =====
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First Aid:FUME INHALATION:REMOVE FROM EXPOSURE. GET MEDICAL ATTENTION.
THERMAL BURN:USE NORMAL FIRST AID. ULTRAVIOLET EXPOSURE:SKIN;TREAT
AS SUNBURN. EYE; GET MEDICAL ATTENTION. ELECTRIC SHOCK:TURN OFF
POWER. REMOVE AND RESTORE BREATHING IF NECESSARY. GET MEDICAL
ATTENTION.

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===== Fire Fighting Measures =====
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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 CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:ARCS, SPARKS OR HOT METAL FROM A WELDING
OPERATION MAY IGNITE NEARBY COMBUSTABLE MATERIAL.

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===== Accidenta

I Release Measures =====

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DOT APPROVED CONTAINERS. AVOID INHALATION AND SKIN EXPOSURE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:NO SPECIAL HANDLING IS REQUIRED. STORE AS DIRECTED BY MFR.

Other Precautions:SEE ANSI STANDARD Z49.1-1983. READ "SAFETY IN WELDING AND CUTTING" FROM AMERIC AN WELDING ASSOCIATION, 550 N.W. JEUNE RD., MIAMI,FL 33135.

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

Respiratory Protection:USE NIOSH/MSHA WELD FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW PEL/TLV.

Ventilation:USE LOCAL VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE.

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:OSHA APPR.GOGGLES/FACE SH'LD W/ANSI LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE. WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY.

THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

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

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:7/32 IN O.D. X 18 IN LONG WIRE OR ROD

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

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Stability Indicator/Materials to Avoid: YES

NONE

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: WELDING AND CUTTING OPERATION MAY INCLUDE OXIDES OF THE METALS, CHROMATES, FLUORIDES, COMPLEX METALLICS, AND OZONE.

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

Waste Disposal Methods: DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS

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