

TELEDYNE MCKAY -- MCKAY 8018-C3 0.187 -- 3439-01-038-3773

===== Product Identification =====

Product ID:MCKAY 8018-C3 0.187

MSDS Date:03/01/1989

FSC:3439

NIIN:01-038-3773

MSDS Number: BHXTQ

=== 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

=== Co

ntractor 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

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

Ingred Name:GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF5250100

Fraction by Wt: 0.05%

OSHA PEL:15 MG/M3 TDU

ST  
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0.90%  
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: 0.05%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

Ingred Name:MAY CONTAIN THE FOLLOWING: OXIDES OF  
ALUMINUM,CALC  
IUM,MAGNESIUM,POTASSIUM,SODIUM,STRONTIUM,TITANIUM &  
CALCIUM FLUORIDE.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES 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, A  
ND ELECTRIC SHOCK.  
Explanation of Carcinogenicity:NICKEL & SOME OF IT COMPOUNDS ARE  
POSSIBLE CARCINOGENS UNDER OSHA. RESPIRATORY CANCER FROM WELDING IS  
UNCONFIRMED.  
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. ESPECIALLY  
PRE-EXISTING RESPIRATORY CONDITIONS.

=====  
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.

=====  
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:SPARKS ETC. FROM WELDING MAY IGNITE  
NEARBY FLAMMABLES.

=====  
Accidental 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:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN  
ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPO  
SITION

PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS  
LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

=====  
Exposure Controls/Personal Protection  
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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 WE

LDING 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 H  
ealth

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

Appearance and Odor:14 IN LONG ROD, 0.188 IN O.D.

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

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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