

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 =====

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. R EMOVE AND RESTORE BREATHING IF NECESSARY. GET MEDICAL
ATTENTION.

===== 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 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 =====

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. LAUNDER 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

Disclaimer (provided with this information by the compiling agencies):
This info

mation is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.