

Material Safety Data Sheet
89-250-864/H

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ARCAIR SLICE CUTTING ROD, UNCOATED
CATALOG NUMBERS: 43-049-002, -003, -005, -007, -008, -009
PRODUCT USE: Exothermic Metal Cutting
MANUFACTURERS NAME: TWECO Products, Inc. EMERGENCY PHONE #: (940) 566-2000
STREET ADDRESS: 2800 Airport Road
CITY: Denton STATE: Texas ZIP CODE: 76207
PREPARED BY: Terry Fulks PHONE NUMBER: (940) 566-2000
DATE PREPARED: July 1989 DATE REVISED: January 31, 2007

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV
Mild Steel	99+	Not Listed	N/A	Fume = 5mg/M3
including: Nickel	0.15	7440-02-0	1mg/m3	0.015mg/m3

When placed into service with a welding power source, an intense electric arc is created generating fumes, gases, and ultra-violet rays which can damage the eyes, penetrate light clothing and burn the skin. When not in service, the rods pose no particular hazard.

SECTION 313. SUPPLIER INFORMATION

THIS PRODUCT DOES DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

CAS NUMBER	CHEMICAL NAME	%
7740-02-0	Nickel	0.15%

CALIFORNIA PROPOSITION 65 CHEMICALS

This product contains 0.15% Nickel, a chemical known to the State of California to cause cancer.

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: Solid ODOR AND APPEARANCE: Rolled steel tube, no notable odor
VAPOR PRESSURE(mm Hg): N.App. VAPOR DENSITY(air=1): N.App. EVAPORATION RATE: N.App.
BOILING POINT(F/C): N.App. FREEZING POINT(F/C): N.App. pH: N.App.
SPECIFIC GRAVITY: N.App. SOLUBILITY: Insoluble

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes No IF YES, MEANS OF EXTINCTION: Does not burn readily
FLASHPOINT(F/C) AND METHOD: N.App. FLAMMABLE LIMIT: N.App.
LEL: N.App. UEL: N.App. UNUSUAL FIRE AND EXPLOSION HAZARDS: None

N.App.: NON APPLICABLE; N.AV.: NOT AVAILABLE; N.EST.: NOT ESTABLISHED
N.F.P.A. RATING SYSTEM: 0 - INSIGNIFICANT; 1 - SLIGHT; 2 - MODERATE;
3 - HIGH; 4 - EXTREME

Health = 1 Flammability = 0 Reactivity = 0 Special = none
WHMIS CLASSIFICATION: CLASS "D" DIVISION 2 SUB-DIVISION "B"

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: Yes No IF NO, CONDITIONS TO AVOID: N.App.
 INCOMPATIBILITY WITH OTHER SUBSTANCES: Yes No IF YES, WHICH
 ONES? None known HAZARDOUS POLYMERIZATION: Will Occur Will Not Occur
 CONDITIONS TO AVOID: N.App. HAZARDOUS DECOMPOSITION PRODUCTS: Iron oxide
 fumes in addition to those generated by materials being cut

SECTION 6 - HEALTH HAZARD DATA

ROUTE OF ENTRY: SKIN CONTACT SKIN ABSORPTION EYE CONTACT
 INHALATION INGESTION U.V. EXPOSURE

EFFECTS OF ACUTE/CHRONIC EXPOSURE TO PRODUCT : INHALATION: When cutting
 certain materials (e.g., lead, cadmium, beryllium, etc.) airborne
 concentration may exceed TLV's causing dryness of the throat, breathing
 difficulty or unconsciousness. VISUAL: Exposure to ultra-violet radiation
 from a powered arc can result in keratonconjunctivitis (welders flash)
 causing inflammation, blurred vision and headache.
 CARCINOGENICITY: Yes SIGNS AND SYMPTOMS OF EXPOSURE: Explained
 above in "Effects of Acute/Chronic Exposure to Product"
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Possibly existing
 respiratory conditions EMERGENCY AND FIRST AID PROCEDURES: INHALATION:
 Remove to fresh air and seek medical attention. VISUAL: Consult a physician
 - preferably an eye specialist.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

LEAK AND SPILL PROCEDURE: Pick up spent ends when cool.
 WASTE DISPOSAL METHOD: Solid landfill if local regulations allow.
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a low humidity
 environment. OTHER PRECAUTIONS: Avoid breathing vapors! Intense heat
 generated when in operation!

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH-MESA determined for fume/dust protection
 GLOVES: As used in conventional arc welding RESPIRATOR: As required to
 maintain below TLVs EYE: Face shield; filter lens for U.V. protection
 FOOTWEAR: Suitable for metal working CLOTHING: As used in conventional
 arc welding OTHER: N.App.
 VENTILATION: Preferred for fume/dust reduction LOCAL EXHAUST: Preferred
 for fume/dust reduction MECHANICAL: To maintain below TLV's/PEL's
 WORK/HYGIENIC PRACTICES: Operator trained to avoid electrical shock and U.V.
 ray exposure.

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES. THIS IS NEITHER AN
 EXPRESSED NOR IMPLIED PRODUCT SPECIFICATION. RECOMMENDED HANDLING PROCEDURES
 AND HYGIENE ARE BELIEVED TO BE ACCURATE, HOWEVER, THESE RECOMMENDATIONS SHOULD
 BE REVIEWED IN THE SPECIFIC CONTEXT OF INTENDED USE AND DETERMINED APPROPRIATE
 BY THE USER.