

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  
PRODUCT USE: Exothermic Metal Cutting  
MANUFACTURERS NAME: TWECO Products, Inc. EMERGENCY PHONE #: (316) 946-8308  
STREET ADDRESS: 4200 West Harry St. P.O. Box 12250  
CITY: Wichita STATE: Kansas ZIP CODE: 67277  
PREPARED BY: Dennis Wilson PHONE NUMBER: (316) 946-8308  
DATE PREPARED: July 1989 DATE REVISED: January 4, 2000

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	7740-02-0	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 Flammibility = 0 Reactivity = 0 Special = none  
WHMIS CLASSIFICATION: CLASS "D" DIVISION 2 SUB-DIVISION "G"

## 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.