

**ARCAIR SLICE CUTTING ROD, FLUX COATED
MATERIAL SAFETY DATA SHEET**

02/05/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

3316 National Ave., San Diego, CA 92113

Phone: (619) 234-6750

MILITARY EMERGENCY RESPONSE NUMBER 1 (800) 851-8061

Material Safety Data Sheet

89-250-847/C

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ARCAIR SLICE CUTTING ROD, FLUX COATED

CATALOG NUMBERS: 42-049-002, -003, -005

PRODUCT USE: Exothermic Metal Cutting

MANUFACTURERS NAME: TWECO Products, Inc.

STREET ADDRESS: 4200 West Harry St.

CITY: Wichita STATE: Kansas

PREPARED BY: Dennis Wilson

DATE PREPARED: July 1989

EMERGENCY PHONE # : (316) 946-8308

P.O. BOX 12250

ZIP CODE: 67277

PHONE NUMBER (316) 946-8308

DATE REVISED: October 1997

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV
Mild Steel	85+	Not Assigned	N/AV	5mg/m3
Including: Nickel	0.15%	7740-02-0	1mg/m3	0.15mg/m3
Flux Coating	<15%	Trade Secret	N. App	N. App

The major components of the flux coating are not included in any known list of hazardous materials, and the minor components are well below the Federally defined percentage required for disclosure. When not in actual service, the cutting rods pose no significant 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
7740-02-0

CHEMICAL NAME
Nickel

%
0.15%

CALIFORNIA PROPOSITION 65 CHEMICALS:

This product contains less than 0.15% Nickel, a chemical known to State of California to cause cancer and reproductive toxicity.

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE: Solid ODOR AND APPEARANCE: Blue flux coated, 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 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

SIWS PROVIDES MSDS AS A COURTESY TO ENSURE ACCURATE AND CURRENT DATA, OBTAIN AND USE ONLY MSDS FROM MANUFACTURER

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SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: Yes No IF NO, CONDITIONS TO AVOID: N. App
IMCOMPATIBILITY 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, product contains slight amount of carcinogenic metal. SIGNS AND SYMPTOMS OF EXPOSURE: Explained above in "Effects of Acute/Chronic Exposure to Product"

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Possibly existing respiratory

EMERGENCY AND FIRST AID PROCUDURES: 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: Sweep or pick up. Be alert to "hot ends."

WASTE DISPOSAL METHOD: Solid landfill if local regulations allow.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in 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 fume/dust 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 and dust removal LOCAL EXHAUST: Preferred for fume and dust removal

MECHANICAL: To maintain fume and dust below TLVs/PELs

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.