

**ARCAIR SEA-JET ELECTRODE  
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

\*89-250-822/A\*

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ARCAIR SEA-JET ELECTRODE

CATALOG NUMBERS: 42-066-006

PRODUCT USE: Underwater Arch 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
Steel	96+	Not Assigned	5mg/m3 Fume	5mg/m3
Plasticized Vinyl	<5	Compound	N. AP.	N. AP.
Di (2-ethylhexyl) phthalate	0.75	117-81-7	5mg/m3	5mg/m3

When placed into underwater service, an electric arc is formed as in welding, generating intense heat, ultra-violet (UV) rays, fumes and gases. When used as intended for underwater welding, exposure to UV rays and electrical shock potential are the most likely sources of risk to health. When not in service, the electrodes 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

CHEMICAL NAME

%

117-81-7

Di(2-ethylhexyl) phthalate

0.75

CALIFORNIA PROPOSITION 65 CHEMICALS:

This product contains less than 0.8% Di(2-ethylhexyl) phthalate, a chemical known to the State of California to cause cancer.

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE: Solid ODOR AND APPEARANCE: Red plastic-coated tubular rod, 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 readily burn 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 "G"

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

**ARCAIR SEA-JET ELECTRODE  
MATERIAL SAFETY DATA SHEET**

89-250-822

Page 2

**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 are generated during cutting operations but pose no problem for the diver/welder

**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: Exposure to UV radiation from the cutting arc can result in keratoconjunctivitis, also known as welders flash.

CARCINOGENICITY: Yes SIGNS AND SYMPTOMS OF EXPOSURE: Inflammation, blurred vision and headache  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N. App EMERGENCY AND FIRST AID  
PROCUDURES: Seek medical attention, 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 dry area  
OTHER PRECAUTIONS: CUTTING WARNINGS: CAUTION! ELECTRIC SHOCK CAN KILL.  
ARC RAYS CAN INJURE EYES. Train the operator not to touch electrical parts. Wear an underwater suit.

**SECTION 8 – CONTROL MEASURES**

RESPIRATORY PROTECTION: For underwater use only.  
GLOVES: Butyl Rubber RESPIRATOR: As required for underwater operations EYE: Filter lens for U.V. protection,  
FOOTWEAR: N. App. CLOTHING: Suit constructed of rubber to minimize likelihood for  
VENTILATION: As required for underwater operations. LOCAL EXHAUST: N. App.  
MECHANICAL: As required for underwater operations OTHER: N. AP.  
WORK/HYGIENIC PRACTICES: Top water personnel should avoid surfacing fumes

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.