

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

02/05/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

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Phone: (619) 234-6750

MILITARY EMERGENCY RESPONSE NUMBER 1 (800) 851-8061

Material Safety Data Sheet

89-250-821/B

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ARCAIR SEA-CUT ELECTRODE

CATALOG NUMBERS: 42-059-007

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
Base Metal: Steel	96+	Not Assigned	N. AP.	5mg/m3 Fume
Plasticized Vinyl	<4	Compound	N. AP.	N. AP.

When placed into underwater service, an electric arc is formed as in welding, generating intense heat, ultra-violet (UV) rays, fumes and gases as in conventional welding. 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 [X] 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	%
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SECTION 3 – PHYSICAL DATA

PHYSICAL STATE: Solid ODOR AND APPEARANCE: Blue plastic-coated steel tube, no 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 [X] 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”

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: Yes [X] No [] IF NO, CONDITIONS TO AVOID: N. App

IMCOMPATIBILITY WITH OTHER SUBSTANCES: Yes [] No [X] IF YES, WHICH ONES? None known

HAZARDOUS POLYMERIZATION: Will Occur [] Will Not Occur [X] CONDITIONS TO AVOID: N. App

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SECTION 6 – HEALTH HAZARD DATA

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

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: Not Listed 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: Prevent premature rusting

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, #12 preferred. FOOTWEAR: N. App. CLOTHING: Suit constructed of rubber to minimize likelihood for shock OTHER: N. App.

VENTILATION: As required for underwater operations. MECHANICAL: As required for underwater operations

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.