

Material Safety Data Sheet

Form Number 89-250-953

SECTION 1 - PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER ARCAIR® SEA DRAGON™ ELECTRODE			CATALOG NUMBERS 42-075-005	
PRODUCT USE Underwater Arc Metal Cutting				
MANUFACTURERS NAME TWECO-ARCAIR Products, Inc.			DISTRIBUTOR NAME	
STREET ADDRESS 4200 West Harry St. P.O. Box 12250			STREET ADDRESS	
CITY Wichita	STATE Kansas	CITY	STATE	
ZIP CODE 67277	EMERGENCY PHONE # (316) 648-5129 Chem Trec 800-424-9300	ZIP CODE	EMERGENCY PHONE #	
PREPARED BY Dennis Wilson	PHONE NUMBER (316) 942-1421	DATE PREPARED July 1995	DATE REVISED January 1996	
SECTION 2 - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV
Steel Plasticized Vinyl	95+ <5	Not Assigned Compound	5mg/M ³ Fume N.A.P.	5mg/M ³ N.A.P.
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 <input type="checkbox"/> DOES NOT <input checked="" type="checkbox"/> 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			%
SECTION 3 - PHYSICAL DATA				
PHYSICAL STATE Solid	ODOR AND APPEARANCE Orange plastic-coated cylindrical rod, no notable odor			
VAPOR PRESSURE mm Hg N.A.P.	VAPOR DENSITY (air = 1) N.A.P.	EVAPORATION RATE N.A.P.	BOILING POINT (°F/C) N.A.P.	FREEZING POINT (°F/C) N.A.P.
pH N.A.P.	SPECIFIC GRAVITY N.A.P.	SOLUBILITY Insoluble		
SECTION 4 - FIRE AND EXPLOSION DATA				
FLAMMABILITY Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> IF YES, MEANS OF EXTINCTION Does not readily burn				
FLASHPOINT (°F/C) AND METHOD N.A.P.	FLAMMABLE LIMIT N.A.P.	LEL N.A.P.	UEL N.A.P.	
UNUSUAL FIRE AND EXPLOSION HAZARDS None				

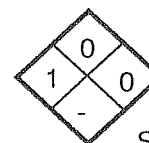
N.A.P.: NON APPLICABLE; N.A.V.: NOT AVAILABLE; N.E.S.T.: NOT ESTABLISHED

N.F.P.A. RATING SYSTEM: 0 - INSIGNIFICANT; 1 - SLIGHT; 2 - MODERATE; 3 - HIGH; 4 - EXTREME

Flammability

WMIS CLASSIFICATION: **CLASS "D"**
DIVISION 2
SUB-DIVISION "G"

Health



Reactivity

Special Information

SECTION 5 - REACTIVITY DATACHEMICAL STABILITY Yes No IF NO, CONDITIONS TO AVOID N.AP.INCOMPATIBILITY WITH OTHER SUBSTANCES Yes No IF YES, WHICH ONES? None knownHAZARDOUS POLYMERIZATION Will Occur Will Not Occur CONDITIONS TO AVOID N.AP.

HAZARDOUS DECOMPOSITION PRODUCTS Iron oxide fumes are generated during cutting operations but pose no problem for the diver/welder

SECTION 6 - HEALTH HAZARD DATAROUTE 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 Not Listed

SIGNS AND SYMPTOMS OF EXPOSURE Inflammation, blurred vision and headache

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE N.AP.

EMERGENCY AND FIRST AID PROCEDURES 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 (SPECIFY TYPE)

For underwater use only

GLOVES (SPECIFY)

Butyl Rubber

RESPIRATOR (SPECIFY)

As required for underwater operations

EYE (SPECIFY)

Filter lens for U.V. protection

FOOTWEAR (SPECIFY)

N.AP.

CLOTHING (SPECIFY)

Suit constructed of rubber to minimize likelihood for shock

OTHER (SPECIFY)

N.AP.

VENTILATION:

LOCAL EXHAUST

SPECIAL

As required for underwater operations

MECHANICAL

As required for underwater operations

OTHER

N.AP.

WORK/HYGIENIC PRACTICES

Top 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.