

Material Safety Data Sheet  
\*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: Victor Technologies. EMERGENCY PHONE #: (940) 566-2000  
STREET ADDRESS: 2800 Airport Road  
CITY: Denton STATE: Texas ZIP CODE: 76207  
PREPARED BY: Terry Fulks PHONE NUMBER: (940) 566-2000  
DATE PREPARED: July 1995 DATE REVISED: September 1, 2012

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV
Base Metal: Steel	95+	Not Assigned	5mg/M3 Fume	5mg/M3 Fume
Plasticized Vinyl	<5	Compound	N.App	N.App

When placed in underwater service, an electric arc is formed generating intense heat, ultra-violet (UV) rays, fumes and gases - as in conventional welding. When used as intended for underwater cutting, exposure to UV rays and electric shock possibility are the greatest 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	%
------------	---------------	---

CALIFORNIA PROPOSITION 65 CHEMICALS:

This product contains 0.01% Lead and 0.05% Chromium, chemicals known to State of California to cause cancer and reproductive toxicity.

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: Solid ODOR AND APPEARANCE: Orange plastic-coated tubular steel rod. No noticeable 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 [X] 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 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 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. Symptoms include  
inflammation, blurred vision and headache. CARCINOGENICITY: Not listed  
SIGNS AND SYMPTOMS OF EXPOSURE: Inflammation, blurred vision, and headache  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.Est.  
EMERGENCY AND FIRST AID PROCEDURES: Seek medical attention, preferably an  
eye specialist.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

LEAK AND SPILL PROCEDURE: N.App WASTE DISPOSAL METHOD: Solid landfill if  
local regulations allow. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
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): As appropriate for underwater cutting  
GLOVES: Butyl Rubber RESPIRATOR: As required for underwater cutting operations  
EYE: Filter lens for U.V. protection FOOTWEAR: N.Est CLOTHING: Suit  
constructed of rubber to minimize likelihood for shock. OTHER: N.App.  
VENTILATION: As required for underwater operations LOCAL EXHAUST: N.App  
SPECIAL: As required for underwater operations. MECHANICAL: as required  
for underwater operations. WORK/HYGIENIC PRACTICES: As appropriate for  
underwater cutting operations. NOTE: 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.