

TWECO PRODUCTS INC -- ARCAIR AIR CARBON ARC ELECTRODES,22-SERIES -- 3439-01-268-3403

=====
Product Identification
=====

Product ID:ARCAIR AIR CARBON ARC ELECTRODES,22-SERIES

MSDS Date:10/31/1990

FSC:3439

NIIN:01-268-3403

MSDS Number: BTRBJ

=== Responsible Party ===

Company Name:TWECO PRODUCTS INC

Address:4200 W HARRY STREET

Box:12250

City:WICHITA

State:KS

ZIP:67277

Country:US

Info Phone Num:316-9

42-1421

Emergency Phone Num:316-942-1421

Preparer's Name:DENNIS WILSON

CAGE:89381

=== Contractor Identification ===

Company Name:TWECO PRODUCTS, INC.

Address:4200 WEST HARRY ST.

Box:12250

City:WICHITA

State:KS

ZIP:67277

Country:US

Phone:316-946-8308;316-942-1421

CAGE:89381

=====
Composition/Information on Ingredients
=====

Ingred Name:CARBON; (GRAPHITE, SYNTHETIC)

CAS:7440-44-0

RTECS #:FF5250100

Fraction by Wt: 20-90%

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST

Ingred Na

me:GRAPHITE; (GRAPHITE, SYNTHETIC)

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 20-90%

OSHA PEL:2.5 MG/M3 RDUST

ACGIH TLV:2 MG/M3 RDUST

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 10-30%

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CARBON BLACK; (FULLY BAKED OUT).

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: SEE ING

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3

=====
Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL: BRONCHITIS, LUNG DEPOSITS AND TISSUE DAMAGE WHICH MAY BE IRREVERSIBLE. EXPOSURE TO ULTRA-VIOLET ARC RAYS CAN RESULT IN KERATOCONJUNCTIVITIS, CAUSING INFLAMMATION, BLURRED VISION, HEADACHE - "SUNBURN."

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:BREATHING DIFFICULTY, HEADACHE, NAUSEA, DRYNESS

OR IRRITATION OF NOSE, THROAT, EYES. BURNING SENSATION OF SKIN OR EYES. UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:RESPIRATORY PROBLEMS, ERYTHMAS.

=====
First Aid Measures =====

First Aid:INHAL: REMOVE TO FRESH AIR. IF BREATHING IMPAIRED, ASSISTED RESPIRATION MAY BE REQUIRED. SKIN: TREAT U.V. EXPOSURE SIMILAR TO SEVERE SUNBURN, SEEK MED ATTN! EYES: FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CALL MD

. INGEST: CALL MD
IMMEDIATELY.

=====
===== Fire Fighting Measures =====

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL
PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:NONE.

=====
===== Accidental Release Measures =====

Spill Release Procedures:SWEEP OR PICK UP. BE ALERT TO "HOT ENDS".
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN DRY AREA. ELECTRODES EXPOSED
TO MOISTURE MAY EXPLODE VIOLENTLY IF USED. DRY MOIST RODS BY BAKING
AT 300F FOR TEN HOURS.
Other Precautions:READ AND UNDERSTAND "AMERICAN NATIONAL STANDARD
Z49.1"; SUBPART Q OF OSHA 29 CFR 1910.252; "SAFETY IN WELDING AND
CUTTING" BY THE AMERICAN WELDING SOCIETY.

=====
===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/
MSHA APPROVED AIR SUPPLIED OR FUME
RESPIRATOR SHOULD BE USED IF VENTILATION IS INSUFFICIENT.
Ventilation:LOCAL EXHAUST: ALL AS REQUIRED TO REDUCE FUMES GENERATED BY
EACH SPECIFIC APPLICATION BELOW ACGIH TLV.
Protective Gloves:WELDERS GLOVES.
Eye Protection:FCSHLD/WELDERS HELMET W/#12/DARKER LENS.
Other Protective Equipment:SEE Z49. SUITABLE FOOTWEAR FOR METAL
WORKING. DARK, SUBSTANTIAL -- APRONS, ETC.
Work Hygienic Practices:OPERATOR TRAINED TO AVOID ELECTRICAL SHOCK AND
U.V. RAY
EXPOSURE.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

=====
===== Physical/Chemical Properties =====

Solubility in Water:NOT SOLUBLE
Appearance and Odor:SOLID, NO NOTABLE ODOR, COPPER COATED BLACK ROD.

=====
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.
Stability Condition to Avoid:NOT APPLICABLE.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
TRACES OF COPP

ER FUME (OZONE, NITROGEN OXIDE FROM THE ELECTRIC ARC AND UV RAYS).

===== Disposal Considerations =====

Waste Disposal Methods: SOLID LANDFILL IF LOCAL REGULATIONS ALLOW.
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.