

ARCAIR CO SUB OF AIR PRODUCTS AND CHEMICALS INC -- ARCAIR AIR CARBON ARC
ELECTRODES (SUPPLEMENTAL) -- 3439-00-870-9934

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

Product ID:ARCAIR AIR CARBON ARC ELECTRODES (SUPPLEMENTAL)

MSDS Date:07/01/1989

FSC:3439

NIIN:00-870-9934

MSDS Number: CBTBL

=== Responsible Party ===

Company Name:ARCAIR CO SUB OF AIR PRODUCTS AND CHEMICALS INC

Address:4200 WEST HARRY ST

Box:122

50

City:WICHITA

State:KS

ZIP:67277

Country:US

Info Phone Num:316-942-1421

Emergency Phone Num:316-942-1421

CAGE:09687

=== Contractor Identification ===

Company Name:ARCAIR CO SUB OF AIR PRODUCTS AND CHEMICALS INC

Address:4200 WEST HARRY ST

Box:12250

City:WICHITA

State:KS

ZIP:67277

Country:US

Phone:316-942-1421

CAGE:09687

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

Ingred Name:GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF5250100

Fraction by Wt: 20-80%

Other REC Limits:NO

NE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9596

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: 20-80%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9596

Ingred Name:COPPER (SARA 313) (CERCLA)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2 MG/M3 FUME; 9596
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
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:FUME:BRONCHITIS,LUNG DEPOSITS & TISSUE
DMG WHICH MAY BE IRREVERSIBLE.EXPO TO ULTR
A-VIOLET ARC RAYS CAN
RESULT IN KERATOCONJUNCTIVITS CAUSING INFLAMM,BLURRED
VISION,HEADACHE-"SUNBURN".
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY:NOT CURRENTLY
LISTED.
Effects of Overexposure:BREATHING DIFFICULTY, HEADACHE, NAUSEA, DRYNESS
OR IRRITATION OR NOSE, THROAT, EYES. BURNING SENSATION OF
SKIN/EYES. UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:RESPIRATORY PROBLEMS, ERYTHMAS.

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

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First Aid: REMOVE TO FRESH AIR. IF BREATHING IMPAIRED, ASSISTED RESPIRATION MAY BE REQUIRED. TREAT UV EXPOSURE SIMILAR TO SEVERE SUNBURN, SEEK MED ATTN.

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

Flash Point: NA
Autoignition Temp: Autoignition Temp Text: NA
Lower Limits: NA
Upper Limits: NA
Extinguishing Media: NONE SPECIFIED BY MANUFACTURER. HMIS: USE APPROPRIATE FIRE EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATERIALS.
Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER.
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 @ 300F FOR 10 HOURS.
Other Precautions: READ/UNDERSTAND AMER NAT STD Z49.1; SUBPART Q OF OSHA 29CFR 1910.252 SAF IN WELD/CUT BY AMER WELD SOC. HEALTH/PHYS HAZ ASSOC W/ AIR CARBON ARC ELECTRODES ARE ATTRIBUTABLE TO FUMES GENERATED WHEN ELECTRODES ARE USED/CONSUMED.

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

Respiratory Protection: AIR SUPPLIED OR FUME RESPIRATOR MUST BE USED IF VENTILATION IS INSUFFICIENT.
Ventilation: LOC EXHAU: ALL AS REQUIRED TO REDUCE FUMES GENERATED BY EACH SPEC APPLICATION BEL ACGIH TLV.
V. OTHER: AIR SAMPLING TO (SUPPLEMENT)
Protective Gloves: WELDERS GLOVES.
Eye Protection: FACE SHIELD OR WELDERS HELMET W/ #12/DKR LENS
Other Protective Equipment: SEE Z49. DARK, SUBSTANTIAL CLOTHING-APRONS, ETC. SUITABLE FOOTWEAR FOR METAL WORKING.
Work Hygienic Practices: OPERATOR TRAINED TO AVOID ELECTRICAL SHOCK & UV RAY EXPOSURE.
Supplemental Safety and Health
ARCAIR GOUGHING ELECTRODES, COPPERCIAD JETROD; CAT #20-, 21-, 22-, 24-, 35- SERIES. VENTILATION: DETERMINE CORRECTIVE MEASURE.

===== Ph =====

Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NA

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:NOT SOLUBLE.

Appearance and Odor:SOLID, NO NOTABLE ODOR, COPPER COATED BLACK ROD.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:Y

ES

NONE KNOWN.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
TRACES OF COPPER FUME (OZONE, NITROGEN OXIDE FROM ELECTRIC ARC & UV
RAYS).

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

Waste Disposal Methods:SOLID LANDFILL IF LOCAL REGULATIONS ALLOW.

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