

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

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===== 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.

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

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irst 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 EXPO TO  
MOISTURE MAY EXPLODE VIOLENTLY IF USED.DRY MOIST RODS BY BAKING  
@300F FOR 10HOURS.  
Other Precautions:READ/UNDERSTA  
ND AMER NAT STD Z49.1;SUBPART Q OF OSHA  
29CFR1910.252 SAF IN WELD/CUT BY AMER WELD SOC.HEALTH/PHYS HAZ  
ASSOC W/AIR CARBON ARC ELECTRODES ARE ATTRIBUTABLE TO FUMES  
GENERATED WHEN ELECTRODE S 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 TL  
V.OTHER:AIR SMPLING TO (SUPPLE)  
Protective Gloves:WELDERS GLOVES.  
Eye Protection:FCSHIELD OR WELDERS HELMET W/#12/DKR LEN  
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. VENTI: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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