

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

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===== 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

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===== 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 =====

F

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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