

**AIRCO WELDING PRODUCTS DIVISION OF AIRCO,INC. -- PIPE-CRAFT ELECTRODES --
3439-00-262-2669**

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Product Identification
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Product ID:PIPE-CRAFT ELECTRODES
MSDS Date:01/01/1987
FSC:3439
NIIN:00-262-2669
MSDS Number: BDPXC
=== Responsible Party ===
Company Name:AIRCO WELDING PRODUCTS DIVISION OF AIRCO,INC.
Emergency Phone Num:(216)641-8790
CAGE:83923
=== Contractor Identification ===
Company Name:AIRCO WELDING PRODUCTS DIV OF THE BOC GROUP INC.
Address:4437 E 49TH STRRET
City:CLEVELAND
State:OH
ZIP:44125-1005
Country:US
Phone:216-641-8790
CAGE:83923

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Composition/Information on Ingredients
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Ingred Name:CELLULOSE (PAPER FIBER)
CAS:9004-34-6
RTECS #:FJ5691460
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON,CAS#7439-89-6
CAS:7439-89-6
RTECS #:NO4565500
ACGIH TLV:5MG/CUM

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:009275000
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

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Hazards Identification
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Effects of Overexposure:METALLIC TASTE,NAUSEA,TIGHTNESS OF

CHEST,FEVER,DIZZINESS EYE,NOSE,THROAT DRYNESS AND IRRITATION

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

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION.IF UNCONSCIOUS,GIVE OXYGEN.IF NOT BREATHING GIVE CPR.EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE
COMBUSTIBLE PRODUCTS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE
AND PLACE IN SUITABLE DOT APPROVED DISPOSAL CONTAINER

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

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE
FUMES,MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES.AVOID ELECTRICAL
SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESP.OR AIR SUPPLIED RESP.IN CONFINED
SPACES.

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:WELDERS GLOVES

Eye Protection:FACE SHLD W/FILTER LENS.

Other Protective Equipment:SUBST.DK.CLOTH,ARM
PROTECTOR,APRON,HAT,SHOULDR.PROTECTION.

Supplemental Safety and Health

MSDS DATED 12-02-85/

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

HCC:N1

Appearance and Odor:FLUX COATNG.ON A SOL.METAL CORE WIRE IN CUT LENGTH

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:FUMES OF METALS AND METAL
OXIDES,CO,NO*2,O*3

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL,STATE AND
FEDERAL REGULATIONS

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