

THE BOC GROUP,INC,AIRCO WELDING PRODUCTS DIV -- TYPE 6011C ELECTRODES --
3439-00-262-2653

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

Product ID:TYPE 6011C ELECTRODES

MSDS Date:12/02/1985

FSC:3439

NIIN:00-262-2653

MSDS Number: BDPWT

=== Responsible Party ===

Company Name:THE BOC GROUP,INC,AIRCO WELDING PRODUCTS DIV

Address:4437 E 49TH STREET

City:CLEVELAND

State:OH

ZIP:44125-1005

Country:US

Info Phone Num

:216-641-8790

Emergency Phone Num:216-641-8790

Preparer's Name:NONE

CAGE:KO941

=== 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

Company Name:EAGLE MILL SUPPLY CO INC

Address:2819 W 7TH STREET

Box:City:TEXARKANA

State:TX

ZIP:75501-6423

Country:US

Phone:214-794-0800

CAGE:2V894

Company Name:THE BOC GROUP,INC,AIRCO WELDING PRODUCTS DIV

Address:4437

E 49TH STREET
Box:City:CLEVELAND
State:OH
ZIP:44125-1005
Country:US
Phone:216-641-8790
CAGE:KO941

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Composition/Information on Ingredients
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Ingred Name:CELLULOSE (PAPER FIBER)
CAS:9004-34-6
RTECS #:FJ5691460
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9394

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:IRON
CAS:7439-89-6
RTECS
#:NO4565500
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 T PARTICLE
ACGIH TLV:5 MG/M3 9394

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:1 MG/M3 FUME 9394

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 TDUST
ACGIH TLV:10 MG/M3 9394

Ingred Name:POTASSIUM TITANATE
CAS:12030-97-6
Other REC Limits:NONE RECOMMENDED

Ingred Name:

SODIUM SILICATE

CAS:1344-09-8

Other REC Limits:NONE RECOMMENDED

===== 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:ACUTE: FUMES AND GASES CAN BE

DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN SKIN.

IN CONFINED AREAS MAY LEAD TO UNCONSCIOUSNESS AND DEATH. ELECTRIC

SHOCK CAN KILL. CHRONIC: MAY CAUSE SID EROSIS, MET

AL FUME FEVER,

REDUCED PUMONARY FUNCTION. NOISE MAY DAMAGE HEARING.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:DIZZINESS, NAUSEA, DRYNESS, IRRITATION OF NOSE,

THROAT, EYES, UNCONSCIOUSNESS, DEATH, SIDEROSIS, METAL FUME FEVER,

REDUCED PULMONARY FUNCTION, DAMAGED HEARING.

Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY

OR ALLERGIC CONDITIONS. HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG

SMOKERS.

===== First Aid Measure

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First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF

NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN.

EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED

BREATHING APPARATUS. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:WELDING ARCS, SPARKS, MAY IGNITE

COMBUSTIBLE MATERIAL. REFERENCE: ANSI-Z49.1, NFPA-51B.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE

AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. AVOID GENERATING

AIRBORNE DUST.

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:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES. MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA. WELDING ARC CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

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

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Respiratory Protection:USE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP FUMES AND AIRBORNE DUST BELOW TLV.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:SUBSTANTIAL DARK CLOTH,ARM PROTECTOR,APRON,HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health
NONE.

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

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:FLUX COATING ON A SOLID METAL CORE WIRE IN CUT LENGTHS.

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous

Decomposition Products:FUMES OF METALS AND METAL OXIDES FROM ELECTRODE AND BASE METAL, CARBON MONOXIDE, CARBON DIOXIDE, OZONE, NITROGEN OXIDES.

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

Waste Disposal Methods:CONSULT WITH YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE WASTE FLUX, WELD GRINDING RESIDUE, DUST FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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