



C 600 MIL

MSDS Number

BBLTQ

National Stock Number

3439-00F002818

Product Name

C 600 MIL

Manufacturer

G O CARLSON INC

Product Identification

Product ID:C 600 MIL
MSDS Date:06/03/1992
FSC:3439
NIIN:00F002818
MSDS Number: BBLTQ

Responsible Party

G O CARLSON INC
350 MARSHALLTON RD
THORNDALE , PA 19372
US
Emergency Phone: 215-384-2800
Info Phone: 215-384-2800
Cage: GOCAR

Contractor

G O CARLSON INC
THORNDALE, PA 19372
US
215-384-2800
Cage: GOCAR

Ingredients

IRON
CAS: 7439-89-6
RTECS: NO4565500
Fraction By Weight: 4-22%
OSHA PEL10 MG/CUM FUME
ACGIH TLV: 5 MG/CUM FUME

CHROMIUM METAL, CHROMIUM, CHROME (SUSPECTED A1 HUMAN

CAS: 7440-47-3
RTECS: GB4200000
Fraction By Weight: 14-25%
OSHA PEL1 MG/CUM (CEILING)
ACGIH TLV: 0.5 MG/CUM



EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

NICKEL (SOLUBLE) (SUSPECTED HUMAN CARCINOGEN BY NTP, IARC,

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 38-72%

OSHA PEL1 MG/CUM

ACGIH TLV: 0.05 MG/CUM IC

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 0-2%

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

MOLYBDENUM (SOLUBLE COMPOUND), LEAD MOLYBDATE

CAS: 7439-98-7

RTECS: QA4680000

Fraction By Weight: 2.5-17%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

COPPER (DUST & MIST), BRONZE POWDER

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight: 0-3%

OSHA PEL0.1 MG(CU)/M3 (FUME)

ACGIH TLV: 0.2 MG/M3 (FUME)

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

COBALT

CAS: 7440-48-4

RTECS: GF8750000

Fraction By Weight: 0-2.5%

OSHA PEL0.1 MG/M3;AS CO

ACGIH TLV: 0.05 MG/M3;DUST 9293

TANTALUM



CAS: 7440-25-7

RTECS: WW5505000

Fraction By Weight: 0-5%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

COLUMBIUM, NIOBIUM *93-1*

CAS: 7440-03-1

Fraction By Weight: 3-4%

TUNGSTEN (INSOLUBLE), WOLFRAM

CAS: 7440-33-7

RTECS: YO7175000

Fraction By Weight: 0-5%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

ALUMINUM (POWDER)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight: 0-1.7%

OSHA PEL15 MG/CUM

ACGIH TLV: 10 MG/CUM (DUST)

Hazards

Routes of Entry: Inhalation: YES Skin: YES Ingestion: NO
Reports of Carcinogenicity: NTP: YES IARC: YES OSHA: YES
Health Hazards Acute and Chronic: NO TOXIC EFFECTS EXPECTED FROM INERT FORM. EXPOSURE TO FUMES OR DUSTS GENERATED DURING HEATING, CUTTING, BRAZING OR WELDING MAY CAUSE ADVERSE HEALTH EFFECTS. INHALATION: IRRITATION OF NOSE & THROAT. METAL FUME FEVER. EYES: IRRITATION. INGESTION: IRRITATION OF THE MOUTH & THROAT.
Explanation of Carcinogenicity: SEE INGREDIENTS
Effects of Overexposure: INHALATION: PNEUMONITIS, SIDEROSIS. CNS INVOLVEMENT. INTERSTITIAL PNEUMONITIS & SENSITIZATION. NODULAR PULMONARY DISEASE. SKIN: DERMATITIS DUE TO SENSITIZATION.

First Aid

First Aid: SKIN: WASH W/SOAP OR MILD DETERGENT & WATER FOR 5 MINS. EYES: WASH W/PLENTY OF WATER FOR 15 MINS. INHALATION/INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

Handling

Handling and Storage Precautions: DURING WELDING, PRECAUTIONS SHOULD BE TAKEN FOR AIRBORNE CONTAMINANTS & NOXIOUS GASES FROM THE WELDING PROCESS OR COMPONENTS OF THE WELDING ROD.
Other Precautions: ARC & SPARKS GENERATED WHEN WELDING W/THIS PRODUCT COULD BE A SOURCE OF IGNITION FOR COMBUSTIBLE & FLAMMABLE MATERIALS.

Exposure Controls

Respiratory Protection: USE A PROPERLY FITTED NIOSH APPROVED DUST-FUME RESPIRATOR DURING WELDING OR BURNING.



Ventilation:RECOMMENDED TO KEEP BELOW TLV
Protective Gloves:RECOMMENDED
Eye Protection:SAFETY GLASSES OR GOGGLES
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
SOME CONSTITUENTS POSE MORE POTENTIAL HAZARDS THAN OTHERS, DEPENDING UPON THEIR INHERENT TOXICITY & CONCENTRATION. OF SPECIAL CONCERN ARE CHROMIUM, NICKEL & PERHAPS MANGANESE.

Chemical Properties

Spec Gravity:8-8.9
Appearance and Odor:ODORLESS SOLID W/METALLIC LUSTRE. AVAILABLE PLATES, DISCS, HEADS & SLABS.

Stability

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products:METAL FUMES & CERTAIN NOXIOUS GASES SUCH AS CO. ACID PICKLING MAY RESULT IN THE FORMATION OF HEXAVALENT CHROMIUM.

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