

## **C 600**

### **MSDS Number**

BBLTW

### **National Stock Number**

3439-00F002823

### **Product Name**

C 600

### **Manufacturer**

G O CARLSON INC

### **Product Identification**

Product ID: C 600  
MSDS Date: 06/03/1992  
FSC: 3439  
NIIN: 00F002823  
MSDS Number: BBLTW

### **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**

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)

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

## 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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