

## **WELCO 120**

### **MSDS Number**

BQZJJ

### **National Stock Number**

3439-00F027317

### **Product Name**

WELCO 120

### **Manufacturer**

THERMACOTE WELCO

### **Product Identification**

Product ID:WELCO 120  
MSDS Date:07/09/1990  
FSC:3439  
NIIN:00F027317  
MSDS Number: BQZJJ

### **Responsible Party**

THERMACOTE WELCO  
HWY 161 S YORK RD  
KINGS MOUNTAIN , NC 28086  
US  
Emergency Phone: 704-739-6421  
Info Phone: 704-739-6421  
Cage: 0AES5

### **Contractor**

THERMACOTE WELCO CO  
KINGS MOUNTAIN, NC 28086  
US  
Cage: 0AES5

### **Ingredients**

SILICON  
CAS: 7440-21-3  
RTECS: VW0400000  
Fraction By Weight: >6%  
OSHA PEL15 MG/M3 TDUST  
ACGIH TLV: 10 MG/M3 TDUST; 9293

IRON  
CAS: 7439-89-6  
RTECS: NO4565500  
Fraction By Weight:  
ACGIH TLV: 5 MG/CUM

COPPER (DUST & MIST), BRONZE POWDER

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight:

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

ACGIH TLV: 0.2 MG/M3 (FUME)

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: >1%

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

MAGNESIUM

CAS: 7439-95-4

RTECS: OM2100000

Fraction By Weight: >6%

ACGIH TLV: 10 MG/CUM

CHROMIUM METAL, CHROMIUM, CHROME (SUSPECTED A1 HUMAN

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight: >0.5%

OSHA PEL1 MG/CUM (CEILING)

ACGIH TLV: 0.5 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

ZINC

CAS: 7440-66-6

RTECS: ZG8600000

Fraction By Weight: >0.5%

ACGIH TLV: 10 MG/CUM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

TITANIUM (DRY POWDER) (TI)

CAS: 7440-32-6

RTECS: XR1700000

Fraction By Weight: >0.5%

ACGIH TLV: 10 MG/CUM

ALUMINUM (POWDER)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight: BALANCE

OSHA PEL15 MG/CUM

ACGIH TLV: 10 MG/CUM (DUST)

## Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: DIZZINESS, NAUSEA,  
DRYNESS, NOSE & THROAT IRRITATION, CHEST TIGHTNESS, FEVER, ALLERGIC  
REACTION, SIDEROSIS, & PULMONARY FUNCTION EFFECTS. EYES:  
IRRITATION.

Explanation of Carcinogenicity:SEE INGREDIENTS

Effects of Overexposure:INHALATION: SIDEROSIS AFFECTING PULMONARY  
FUNCTION.

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. EMPLOY FIRST AID TECHNIQUES  
RECOMMENDED BY AMERICAN RED CROSS. OBTAIN MEDICAL ATTENTION IN ALL  
CASES.

## Fire Fighting

Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE  
COMBUSTIBLES & FLAMMABLES

## Accidental Release

Spill Release Procedures:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER OR  
LINER IN ENVIRONMENTALLY ACCEPTABLE MANNER.

## Handling

Handling and Storage Precautions:DON'T TOUCH LIVE ELECTRICAL PARTS &  
INSULATE FROM WORK & GROUND. ARC RAYS CAN INJURE EYES & BURN SKIN.  
ELECTRIC SHOCK CAN KILL.

Other Precautions:ONE RECOMMENDED WAY TO DETERMINE COMPOSITION &  
QUANTITY OF FUMES & GASES IS TO TAKE AIR SAMPLE FROM INSIDE  
WELDER'S HELMET IF WORN OR IN BREATHING ZONE. TRAIN WORKER TO KEEP  
HEAD OUT OF FUMES.

## Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR-SUPPLIED  
RESPIRATOR WHEN IN CONFINED SPACE OR IF LOCAL EXHAUST DOES NOT KEEP  
EXPOSURE BELOW RECOMMENDED EXPOSURE LIMIT

Ventilation:LOCAL EXHAUST AT ARC TO KEEP FUMES & GASES FROM WORKER'S  
BREATHING ZONE & GENERAL AREA

Protective Gloves:RECOMMENDED

Eye Protection:FLASH GOGGLES, FACE SHIELD W/FILTER LENS

Other Protective Equipment:HELMET, PROTECTIVE SCREENS, HAND, HEAD &  
BODY PROTECTION

Supplemental Safety and Health

CONDITIONS WHICH INFLUENCE COMPOSITION/QUANTITY OF FUMES & GASES  
INCLUDE: THE NUMBER OF WELDER & VOLUME OF WORK AREA, THE QUALITY &  
AMOUNT OF VENTILATION, THE POSITION OF WELDER'S HEAD W/RESPECT TO  
FU ME PLUME, & PRESENCE OF CONTAMINANTS INATMOSPHERE.

## Chemical Properties

Appearance and Odor:BARE, SOLID BRONZE RODS

## Stability

Stability Indicator/Materials to Avoid: YES

Hazardous Decomposition Products: OXIDES OF ALUMINUM, SILICON, IRON, COPPER, MANGANESE, MAGNESIUM, CHROMIUM, TITANIUM, ZINC, CO & CO<sub>2</sub>

## Disposal

Waste Disposal Methods: DISPOSE IN ENVIRONMENTALLY ACCEPTABLE MANNER IN ACCORDANCE W/ FEDERAL, STATE, & LOCAL REGULATIONS.

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