

## **AWS 307**

### **MSDS Number**

BRBGL

### **National Stock Number**

3439-00F027882

### **Product Name**

AWS 307

### **Manufacturer**

THERMACOTE WELCO

### **Product Identification**

Product ID:AWS 307  
MSDS Date:01/04/1990  
FSC:3439  
NIIN:00F027882  
MSDS Number: BRBGL

### **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**

IRON  
CAS: 7439-89-6  
RTECS: NO4565500  
OSHA PEL5 MG/CUM  
ACGIH TLV: 10 MG/CUM

CHROMIUM METAL, CHROMIUM, CHROME (SUSPECTED A1 HUMAN  
CAS: 7440-47-3  
RTECS: GB4200000  
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

OSHA PEL1 MG/CUM

ACGIH TLV: 0.05 MG/CUM IC

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

MOLYBDENUM (SOLUBLE COMPOUND), LEAD MOLYBDATE

CAS: 7439-98-7

RTECS: QA4680000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

## Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:YES

Health Hazards Acute and Chronic:EYES: IRRITATION, BURNS. SKIN: BURNS.

INHALATION: DIZZINESS, NAUSEA, NOSE/THROAT IRRITATION, TIGHTNESS IN CHEST, FEVER. ELECTRIC SHOCK CAN KILL.

Explanation of Carcinogenicity:SEE INGREDIENTS

Effects of Overexposure:INHALATION: SIDEROSIS (IRON DEPOSIT IN LUNGS).

MAY AFFECT PULMONARY FUNCTION.

## First Aid

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

## Fire Fighting

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

## Handling

Handling and Storage Precautions:READ & UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS & THE PRECAUTIONARY LABEL ON THE PRODUCT.

Other Precautions:ONE RECOMMENDED WAY TO DETERMINE THE COMPOSITION/QUANTITY OF FUMES/GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE FROM INSIDE THE WELDER'S HELMET IF WORN OR IN THE WORKER'S BREATHING ZONE .

## Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR SUPPLIED

RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THE RECOMMENDED EXPOSURE LIMIT.

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

Protective Gloves:WELDER'S

Eye Protection:HELMET, FACE SHIELD W/FILTER LENS.

Other Protective Equipment:SCREENS, FLASH GOGGLES, ARM PROTECTORS, APRON, HATS, SHOULDER PROTECTION, AS WELL AS SUBSTANTIAL CLOTHING.

Work Hygienic Practices:TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS & TO INSULATE HIMSELF FROM WORK & GROUND.

Supplemental Safety and Health

COMPOSITION & QUALITY OF WELDING FUMES & GASES ARE DEPENDENT UPON METAL BEING WELDED, PROCESS, PROCEDURE & ELECTRODES USED. DECOMPOSITION PRODUCT OF NORMAL OPERATION INCLUDE THOSE ORIGINATING FROM VOL ATILIZATION, REACTION, OXIDATION OF MATERIALS IN INGREDIENTS, PLUS THOSE FROM THE BASE METAL & COATING, ETC.

## Stability

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:CO, CO2. OZONE & NITROGEN OXIDES MAY BE FORMED BY THE RADIATION FROM THE ARC, SHIELDING GASES

## Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE W/FEDERAL, STATE & LOCA L REGULATIONS.

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