

## **OXWELD NO. 1 HT, SOLID STEEL WELDING ROD**

### **MSDS Number**

BBRLM

### **National Stock Number**

3439-00F004972

### **Product Name**

OXWELD NO. 1 HT, SOLID STEEL WELDING ROD

### **Manufacturer**

UNION CARBIDE

### **Product Identification**

Product ID: OXWELD NO. 1 HT, SOLID STEEL WELDING ROD

MSDS Date: 01/01/1987

FSC: 3439

NIIN: 00F004972

MSDS Number: BBRLM

### **Responsible Party**

UNION CARBIDE/NEW YORK, NY 10017

Emergency Phone: (304) 744-3487

Cage: EO977

### **Contractor**

UNION CARBIDE/NEW YORK, NY 10017

DANBURY, CT 06817-0001

US

800-822-4357; 304-744-3487

Cage: EO977

### **Ingredients**

CARBON BLACK

CAS: 1333-86-4

RTECS: FF5800000

Fraction By Weight:

OSHA PEL 3.5 MG/M3

ACGIH TLV: 3.5 MG/M3; 9192

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

COPPER (SARA III)

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight:

OSHA PEL0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2MG/M3 FUME; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

IRON ION (FE +2)

CAS: 15438-31-0

RTECS: NO6925000

OSHA PEL1 MG/M3 (FE)

ACGIH TLV: 1 MG/M3 (FE); 8990

## Hazards

Effects of Overexposure:CAN PRODUCE "FLASH" BURNS OF EYES/SKIN.  
OVEREXPOSURE CAN CAUSE PERSONAL INJURY/DAMAGE HEARING.

## First Aid

First Aid:ELECTRIC ARC WELDING MAY CREATE ONE OR MORE OF THE FOLLOWING  
HEALTH HAZARDS: ELECTRIC SHOCK/BURNS-DEACTIVATE POWER. ADMINISTER  
CPR AS INDICATED. COVER BURNS W/STERILE DRY DRESSING. CALL A PHYS.  
RADIANT ENERGY-CAN PRODUCE "FLASH" BURNS OF EYES/SKIN.

## Fire Fighting

Extinguishing Media:WILL NOT BURN, USE WATER TO COOL.

## Handling

Handling and Storage Precautions:VOLTAGES MAY CAUSE FATAL SHOCK. ARC  
RAYS MAY CAUSE EYE/SKIN BURN. WELDING MAY PRODUCE HARMFUL MES.  
NOISE MAY DAMAGE HEARING.  
Other Precautions:DON'T TOUCH LIVE ELECTRICAL PARTS. WEAR RECOMMENDED  
EYE/EAR/BODY PROTECTION. PROVIDE ENOUGH VENT. ARC/SPARKS DURING  
WELDING COULD BE THE SOURCE OF IGNITION OF COMBUSTIBLE MATERIALS.

## Exposure Controls

Respiratory Protection:USE ADEQUATE VENTILATION OR PERSONAL RESPIRATORY  
PROTECTION.  
Ventilation:LOCAL EXHAUST VENTILATION OR AIRLINE RESPIRATORS  
Protective Gloves:WELDING GLOVES  
Eye Protection:SAFETY GOGGLES  
Other Protective Equipment:WELDING HELMET, FLAME RETARDANT CLOTHING  
RECOMMENDED.  
Supplemental Safety and Health  
MSDS DATED: 4/79

## Chemical Properties

Vapor Pres:760  
Solubility in Water:0  
Appearance and Odor:BARE SOLID STEEL ROD, ALL SIZES AND PACKAGES  
Percent Volatiles by Volume:0

## Stability

Stability Indicator/Materials to Avoid: YES

WELDING IN CHLORINATED HYDROCARBON VAPOR GIVES PHOSGENE

Stability Condition to Avoid: WELDING PARTS W/PHOSPHATE RESIDUE GIVES PHOSPHINE

Hazardous Decomposition Products: OXIDES/FLUORIDES OF INGREDIENTS: IRON OXIDE/SODIUM FLUORIDE.

## Disposal

Waste Disposal Methods: NORMAL, ENVIRONMENTALLY ACCEPTABLE, INDUSTRIAL WASTE DISPOSAL, LAND FILL, BURIAL, ETC.

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