

J.W. HARRIS CO., INC. -- AWSA5.2-80 RG60 0.062 STEEL-OXY FUEL WELDING ROD --
3439-00-246-0564

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===== Product Identification =====

Product ID:AWSA5.2-80 RG60 0.062 STEEL-OXY FUEL WELDING ROD

MSDS Date:11/01/1985

FSC:3439

NIIN:00-246-0564

MSDS Number: BKHJR

=== Responsible Party ===

Company Name:J.W. HARRIS CO., INC.

Address:10930 DEERFIELD ROAD

City:CINCINNATI

State:OH

ZIP:45242

Info Phone Num:(513)

891-2000

Emergency Phone Num:(513) 891-2000

CAGE:27911

=== Contractor Identification ===

Company Name:J. W. HARRIS CO INC & HARRIS WELCO, DIVISION/J.W. HARRIS
CO

Address:1051 YORK RD

Box:City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

Phone:704-739-6421

CAGE:34920

Company Name:J. W. HARRIS CO., INC.

Address:10930 DEERFIELD ROAD

Box:City:CINCINNATI

State:OH

ZIP:45242-4110

Country:US

Phone:513-891-2000

CAGE:27911

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===== Composition/Information on Ingredients =====

Ingred

Name:SULFUR
CAS:7704-34-9
RTECS #:WS4250000
Fraction by Wt: 0.022%

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.94%
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:PHOSPHOROUS (YELLOW) (SARA III)
CAS:7723-14-0
RTECS #:TH3500000
Fraction by Wt: 0.010%
Other REC Limits:100 UG/CUM
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: BALANCE

Ingred
Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: DISCOMFORT, DIZZINESS,
NAUSEA, DRYNESS, IRRITATION OF THE THROAT, PULMONARY IRRITATION,
PNEUMOCONIOSIS, & SIDEROSIS. EYE: INJURY. SKIN: BURN.
Explanation of Carcinog

enicity:NONE

Effects of Overexposure:INHALATION: DISCOMFORT, DIZZINESS, NAUSEA,
DRYNESS, IRRITATION OF THE THROAT, PULMONARY IRRITATION,
PNEUMOCONIOSIS, SIDEROSIS. EYE: INJURY. SKIN: BURN.

Medical Cond Aggravated by Exposure:IMPAIRED PULMONARY FUNCTIONS OR
ILLNESS.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED.
EYES/SKIN: FLUSH W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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=== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE
Unusual Fire/Explosion Hazard:WELDING ARC, OPEN FLAME, & SPARKS CAN
IGNITE COMBUSTIBLES.

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===== Handling and Storage =====

Handling and Storage Precautions:TRAIN THE EMPLOYEE NOT TO TOUCH
ELECTRICAL PARTS & TO INSULATE HIMSELF FROM WORK & GROUND. ELECTRIC
SHOCK FROM ARC WELDING EQUIPMENT CAN KILL.

Other Precautions:TO DETERMINE THE COMPOSITION & QUANTITY OF
FUMES/GASE

S 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. TRAIN THE EMPLOY EE TO KEEP HIS HEAD OUT OF THE
FUMES.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE A RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING, BRAZING, OR SOLDERING IN A CONFINED SPACE
OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE