

HARRIS J W CO INC -- RG 60 -- 3439-00-246-0565

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

Product ID:RG 60

MSDS Date:11/01/1985

FSC:3439

NIIN:00-246-0565

MSDS Number: BJYGH

=== Responsible Party ===

Company Name:HARRIS J W CO INC

Address:10930 DEERFIELD RD.

City:CINCINNATI

State:OH

ZIP:45242-4110

Country:US

Info Phone Num:513-891-2000

Emergency Phone Num:800-424-9300

CAGE:JO820

=== Contractor Identificati

on ===

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 RD

Box:City:CINCINNATI

State:OH

ZIP:45242-4110

Country:US

Phone:513-891-2000

CAGE:JO820

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:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 99%  
Other REC Limits:5 MG/M3 WELDING FUME

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

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES,  
GASES OR DUST MAY RESULT  
IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA,  
FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN  
SENSITIVITY MAY ALSO BE NOTED. A CUTE EXPOSURE FROM SOME TOXIC  
GASES MAYCAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE  
CAN BE FATAL.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE CONSIDERED  
POSSIBLE CARCINOGENS UNDER OSHA. RESPIRATORY CANCER FROM WELDING IS  
UNCONFIRMED.

Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN  
DISCOMFORT  
SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR  
IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE  
NOTED. WATERY EYES, HEADACHE, BREA THING DIFFICULTY, FREQUENT  
COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC  
GASES CAN BE FATAL.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY  
FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME  
IRRITANTS.

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

F  
irst Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL  
FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM  
EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF  
BREATHING IS D IFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL  
RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE.  
EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

===== Fire Fighting Measures =====

Flash Point:NONE  
Aut

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:NONE

===== Accidental Release Measures =====

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

===== Exposure Controls/

Personal Protection =====

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:

OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PRO

PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR  
ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF  
CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

===== Physical/Chemical Properties =====

HCC:N1

Vapor Pres:0

Evaporation Rate & Reference:0

Solubility in Water:NEGLIGIBLE

Appearance and Odor:0.094 INCHES DIAMETER BY 36 INCHES LONG STEEL  
WELDING ROD

Percent Volatiles by Volume:0

===== Stability and Reactivity Data ==

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Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS

Hazardous Decomposition Products:WELDING AND CUTTING OPERATION MAY  
INCLUDE OXIDES OF THE METALS, CHROMATES, FLUORIDES, COMPLEX  
METALLICS, AND OZONE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS

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