

HARRIS J W CO INC -- RG 60 -- 3439-00-246-0564

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

Product ID:RG 60

MSDS Date:05/01/1991

FSC:3439

NIIN:00-246-0564

MSDS Number: BNVXQ

=== 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:513-891-2000/800-424-9300(CHEMTREC)

CAGE:JO820

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= 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 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
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Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PHOSPHOROUS (YELLOW) (SARA III)
CAS:7723-14-0
RTECS #:
TH3500000
Other REC Limits:NONE SPECIFIED
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:CARBON BLACK/CARBON
CAS:1333-86-4
RTECS #:FF5800000
Other REC Limits:NONE SPECIFIED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON OXIDE FUME (FE2O3)
CAS:1309-37-1
RTECS #:NO7400000
Other REC Limits:NONE SPECIF

IED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:SULFUR
CAS:7704-34-9
RTECS #:WS4250000
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

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

Reports of Carcinogenicity:NT

P:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-SHORT TERM EXPOSURE TO WELDING FUME MAY CAUSE DISCOMFORT,DIZZINESS,NAUSEA OR DRYNESS/IRRITATION OF THE THROAT.LONG TERM EXPOSURE TO WELDING FUME,GASES/DUST MAY CONTRIBUTE TO PULMONARY IRRITATION /PNEUMOCONIOSIS.ARC RAYS FROM ELECTRIC OPERATION CAN INJURE EYES & BURN SKIN.ELECTRIC SHOCK CAN KILL.IR CAN INJURE EYES.

Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUME MAY CAUSE DISCOMFORT,DIZZINESS,NAUSEA

OR DRYNESS/IRRITATION OF THE

THROAT.LONG TERM EXPOSURE TO WELDING FUME,GASES/DUST MAY CONTRIBUTE TO PULMONARY IRRITATION/PNEUM OCONIOSIS.ARC RAYS FROM ELECTRIC OPERATION CAN INJURE EYES & BURN SKIN.ELECTRIC SHOCK CAN KILL.IR CAN INJURE EYES.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING

RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE WELDING FUMES.

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

First Aid:GET MEDI

CAL CARE IF NEEDED.EYES:FLUSH WITH WATER FOR 15
MINUTES HOLDING EYELIDS OPEN.SKIN:WASH THOROUGHLY WITH SOAP &
WATER.INHALATION:REMOVE TO FRESH AIR.PROVIDE CPR IF
NEEDED.INGESTION:NOT LIKELY.

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

Flash Point:NONE

Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. TO EXTINGUISH A METAL
POWDER FIRE, USE DRY SAND, DRY GRAPHITE OR OTHER CLASS "D" POWDER.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT A
ND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE. IN CONTACT WITH ACIDS, HYDROGEN GAS
WILL BE FORMED WHICH IS FLAMMABLE AND EXPLOSIVE.

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

Spill Release Procedures:NOT RELEVANT

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

Handling and Storage Precautions:STORAGE-KEEP MATERIAL AWAY FROM STRONG
ACIDS.

Other P

recautions:NO FOOD OR SMOKING IN WORK AREAS. WASH THOROUGHLY
AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS.

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

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

Ventilation:LOCAL EXHAUST AT THE ARC (OR FLAME), OR BOTH, TO KEEP THE
FUMES AND

GASES BELOW PEL'S, TLV'S OR STEL'S IN BREATHING ZONE

Protective Gloves:WELDER'S GLOVE

Eye Protection:PROTECTIVE FACE SHIELD

Other Protective Equipment:EYE WASH STATION, APRONS, HATS, ARM &
SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO
PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME
NSN.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID ROD,SHIPPED AS

NONHAZARDOUS,NONFLAMMABLE,NONEXPLOSIVE&NONREACTIVE MATERIA

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:FLAMES

Hazardous Decomposition Products:METAL OXIDES. DECOMPOSITION PRODUCTS

INCLUDE THOSE ORIGINIATING FROM INGREDIENTS + THOSE FROM THE

BASE

METAL & COATING.

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

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 WITH FEDERAL, STATE AN D LOCAL REGULATIONS

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