

HARRIS J W CO INC -- 349 -- 3439-00-163-4360

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

Product ID:349

MSDS Date:06/01/1992

FSC:3439

NIIN:00-163-4360

MSDS Number: BNWHF

=== 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

=== Cont

actor 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:2

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Composition/Information on Ingredients
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Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: .07-.13%

Other REC Limits:NONE SPECIFIED

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 19-21.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

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Fraction by Wt: 8 - 9.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Fraction by Wt: .35-.55%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:OTHER COMPONENTS (CHTA)

Fraction by Wt: 1.0-1.4%

Other REC Limits:NONE SPECIFIED

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1.0-2.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:(C) 5 MG/M3 DU

ST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICA, CRYSTALLINE - FUSED/SIO2, AMORPHOUS, RESPIRABLE
CAS:60676-86-0
RTECS #:VV7328000
Fraction by Wt: .30-.65%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.75%
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:IRON
CAS:7439-89-6
RTECS
#:NO4565500
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3 (MFR)
ACGIH TLV:5 MG/M3 (MFR)

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===== Hazards Identification =====
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE-SHORT TERM EXPOSURE TO WELDING
FUME MAY CAUSE
DISCOMFORT,DIZZINESS,NAUSEA,COUGHING,FEVER,DRYNESS,THROAT

IRRITATION.ARC RAYS MAY INJURE EYES & BURN SKIN.CHRONIC-WELDING
FUME/DUST MAY CAUSE PULMON ARY IRRITATION/PNEUMOCONIOSIS.IRON
FUMEMAY CAUSE SIDEROSIS.NICKEL & CHROMIUM SHOULD BE CONSIDERED
CARCINOGENIC.
Explanation of Carcinogenicity:CONTAINS NICKEL AND CHROMIUM (PER MSDS).
Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUME MAY CAUSE
DISCOMFORT, DIZZINESS, NAUSEA, COUGHING, FEVER, SHORTNESS OF
BREATH, DRYNESS, THROAT IRRITATION. ARC RAYS MAY INJURE EYES & BURN

SKIN. LONG TERM EXPOSURE TO WELDING FUME/DUST MAY CAUSE PULMONARY IRRITATION/PNEUMOCONIOSIS. IRON FUME MAY CAUSE SIDEROSIS.

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 MEDICAL CARE IF NEEDED. EYES: FLUSH WITH WATER IF NECESSARY. SKIN: WASH THOROUGHLY WITH SOAP & WATER. IF BURNED, SEE A DOCTOR. INHALATION: REMOVE TO FRESH AIR. PROVIDE CPR IF NEEDED. INGESTION: NOT LIKELY.

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===== 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 AND 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. WELDING ARC, OPEN FLAME AND SPARKS CAN IGNITE COMBUSTIBLES.

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

Spill Release Procedures: NOT RELEVANT

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

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

Other Precautions: NO FOOD OR SMOKING IN WORK AREAS. WASH THOROUGHLY

AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. READ THE MANUFACTURER'S INSTRUCTIONS ON THE LABEL.

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===== 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

W 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

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

HCC:N1

Solubility in Water:

INSOLUBLE

Appearance and Odor:SOLID ROD,SHIPPED AS

NONHAZARDOUS, NONFLAMMABLE, NONEXPLOSIVE & NONREACTIVE MATERIAL

===== 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 ORIGINATING FROM INGREDIENTS + THOSE FROM THE BASE METAL & COATING.

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

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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 AND LOCAL REGULATIONS

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