

J.W.HARRIS CO.INC. -- STAY CLEAN SOLDERING FLUXES -- 3439-01-184-3189

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Product Identification
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Product ID:STAY CLEAN SOLDERING FLUXES

MSDS Date:11/01/1985

FSC:3439

NIIN:01-184-3189

MSDS Number: BGPZS

=== Responsible Party ===

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

Address:10930 DEERFIELD ROAD

City:CINCINNATI

State:OH

ZIP:45242

Country:US

Info Phone Num:513-891-2000

Emergency Phone Num:513-891-

2000/800-424-9300(CHEMTREC)

CAGE:27911

=== Contractor Identification ===

Company Name:ARC WELDERS SALES AND RENTAL CO INC

Box:UNKNOW

CAGE:0JYE5

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:ZINC CHLORIDE (SARA III)

CAS:7646-85-7

RTECS #:ZH1400000

Fraction by Wt: >20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 M

G/M3/2 STEL
ACGIH TLV:1 MG/M3/2STEL FUME93
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)
CAS:7647-01-0
RTECS #:MW4025000
Fraction by Wt: >10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM CHLORIDE (SARA III)
CAS:12125-02-9
RTECS #:BP4550000
Fraction by Wt: >5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3/20 STEL
ACGIH TLV:10 MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: >40%
Other REC Limits:NONE SPECIFIED

===== 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:ACUTE-WHEN HEATED DURING
SOLDERING,FUMES GENERATED MAY IRRITATE THE RESPIRATORY TRACT.THE
FLUX MAY IRRITATE THE SKIN.EYE CONTACT WIL
L CAUSE INTENSE
IRRITATION AND MAY INJURE EYE TISSUE IF NOT PROMPTLY
REMOVED.CHRONIC-NOT GIVEN.
Effects of Overexposure:EYES/SKIN/INHALATION:IRRITATION
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:FLUSH WITH WATER FOR AT LEAST 15 MINUTES,INCLUDING UNDER
THE EYELIDS.SKIN:FLUSH WITH WATER.INHALATION:REMOVE TO FRESH
AIR.INGESTION:GIVE PLENTY OF WATER OR MILK.DO NOT INDUCE

VOMITING.CALL PHYSICI AN IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:ZINC CHLORIDE, ZINC OXIDE FUMES AND HYDROGEN CHLORIDE.

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

Spill Release Procedures:NEUTRALIZE WITH SODIUM CARBONATE OR TRI-SODIUM PHOSPHATE.

Neutralizing Agent:WEAK BASE.

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL PLACE.KEEP CONTAINER CLOSED.

Other Precautions:USE WITH GOOD VENTILATION. WASH HANDS AFTER USING.

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

Respiratory Protection:

USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN BRAZING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL

Protective Gloves:WELDING GLOVES

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE WASH AND SHOWER.WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM SPLASHING,SPARKS, OR FLAME.

Work Hygienic Practices:WASH HANDS BEFORE EATING.

Supplemental Safety and Health

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

HCC:C3

pH:2.0-3

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR,COLORLESS LIQUID WITH AN "ACIDIC" ODOR

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

Stability Indicator/Materials to Avoid:YES

CYANIDE (WITH ZINC CHLORIDE GIVES HCN), SULFIDE + HCL MAY GIVE H2S.

Stability Condition to Avoid:HIGH TEMPERATURES AND FLAMES

Hazardous Decomposition Products:ZINC OXIDE AND ZINC CHLORIDE FUMES

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= Disposal Considerations =====

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

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