

J.W.HARRIS CO.INC. -- STAY-CLEAN PASTE FLUX -- 3439-00-255-4571

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Product Identification
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Product ID:STAY-CLEAN PASTE FLUX

MSDS Date:04/01/1996

FSC:3439

NIIN:00-255-4571

Status Code:A

MSDS Number: CKPCV

=== 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:(800)4

24-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:27911

=== Contractor Identification ===

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

CAS:7646-85-7

RTECS #:ZH1400000

< Wt:50.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

ACGIH STEL:2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:AMMONIUM CHLOR

IDE
CAS:12125-02-9
RTECS #:BP4550000
ACGIH TLV:10 MG/M3
ACGIH STEL:20 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:HYDROGEN CHLORIDE
CAS:7647-01-0
RTECS #:MW4025000
< Wt:4.
OSHA PEL:C7 MG/M3;C5 PPM
ACGIH STEL:C7.5 MG/M3;C5 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000

Ingred Name:POTASSIUM CHLORIDE
CAS:7447-40-7
RTECS #:TS8050000

Ingred Name:LITHIUM CHLORIDE
CAS:7447-41-8
RTECS #:OJ5950000

Ingred Name:SODIUM CHLORIDE
CAS:76
47-14-5
RTECS #:VZ4725000

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AMMONIUM CHLORIDE: PROLONGED BREATHING
OF FUMES MAY CAUSE IRRITATION OF RESPIRATORY PASSAGES. HYDROGEN
CHLORIDE: CAUSES EYE & SKIN BURNS. INGESTION CAUSES SEVERE BURNS OF
MOUTH, ESOPHAGUS & STOMACH. V APOR EXTREMELY IRRITATING. ZINC
CHLORIDE: F

FUME OR DUST CAN CAUSE DERMATITIS & CONJUNCTIVITIS. MAY CAUSE RASHES, BOILS, CORNEAL BURN, EPIGASTRIC PAIN, NAUSEA, VOMITING, SHOCK (INTERNAL). POTASSIUM CHLORIDE: DUST MAY BE IRRITATING TO THE MUCOUS MEMBRANES. SODIUM CHLORIDE: 40-60 GRAMS INTAKE OF SODIUM CHLORIDE DAILY WILL ELEVATE BLOOD PRESSURE. LITHIUM CHLORIDE: MAY BE IRRITATING TO EYES & SLIGHTLY IRRITATING TO SKIN, NOSE & THROAT.

Effects of Overexposure:AMMONIUM CHLORIDE: PROLONGED BREATHING OF FUMES MAY CAUSE

SEVERE IRRITATION OF RESPIRATORY PASSAGES. HYDROGEN CHLORIDE: CAUSES EYE & SKIN BURNS. INGESTION CAUSES SEVERE BURNS OF MOUTH, ESOPHAGUS & STOMACH. VAPOR EXTREMELY IRRITATING. ZINC CHLORIDE: FUME OR DUST CAN CAUSE DERMATITIS & CONJUNCTIVITIS. MAY CAUSE RASHES, BOILS, CORNEAL BURN, EPIGASTRIC PAIN, NAUSEA, VOMITING, SHOCK (INTERNAL). POTASSIUM CHLORIDE: DUST MAY BE IRRITATING TO THE MUCOUS MEMBRANES. SODIUM CHLORIDE: 40-60 GRAMS INTAKE OF SODIUM CHLORIDE DAILY WILL ELEVATE

BLOOD PRESSURE. LITHIUM CHLORIDE: MAY BE IRRITATING TO EYES & SLIGHTLY IRRITATING TO SKIN, NOSE & THROAT.

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

First Aid:IF SWALLOWED, GIVE PLENTY OF WATER OR MILK. DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY. SKIN-FLUSH WITH WATER. INHALATION-IRRITATES RESPIRATORY SYSTEM-MOVE TO FRESH AIR. EYES-EYE IRRITANT-FLUSH WITH WATER AT LEAST 15 MIN. PROMPTLY GET MEDICAL ATTENTION.

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

Flash Point Method:TOC

Flash Point:NONFLAMMABLE

Fire Fighting Procedures:IF LARGE QUANTITIES ARE INVOLVED IN A FIRE, FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:WHEN HEATED, THE MATERIALS MAY RELEASE ZINC CHLORIDE & ZINC OXIDE FUMES. THE LIQUID FLUX MAY ALSO RELEASE HYDROGEN CHLORIDE GAS & WATER VAPOR.

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

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Spill Release Procedures:CANTAIN SPILL, ABSORB, SWEEP-UP, DISPOSE,
FLUSH AREA WITH WATER TO CHEMICAL SEWER. DISPOSE OF IN ACCORDANCE
WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

===== 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:USE ENOUGH VENTILATION TO KEE
P THE FUMES AND GASES BELOW

TLV'S IN THE WORKER'S BREATHING ZONE AND THE GENERAL AREA.

Protective Gloves:YES

Eye Protection:WAER SAFETY GLASSES, GOGGLES OR USE FACE SHIELD WITH
FILTER LENS OF APPROPRIATE

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

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:=109.4C, 229.F

Vapor Pres:2.85

Spec Gravity:

1.55

Solubility in Water:APPRECIABLE

Appearance and Odor:RED CLEAR LIQUID WITH NO CHARACTERISTIC ODOR.

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

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH CYANIDES, MAY RELEASE HCL GAS WHEN MIXED WITH ZINC
CHLORIDE.

Stability Condition to Avoid:AVOID HEAT, SPARKS, OPEN FLAMES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STA

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AND LOCAL REGULATIONS.

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