

FRY METALS -- FLUX, SOLDERING -- 3439-01-142-2423

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Product Identification
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Product ID:FLUX, SOLDERING

MSDS Date:07/23/1991

FSC:3439

NIIN:01-142-2423

MSDS Number: BKLMB

=== Responsible Party ===

Company Name:FRY METALS

Address:6TH AVE & 41 ST

City:ALTOONA

State:PA

ZIP:16602

Country:US

Emergency Phone Num:800-458-3499

Preparer's Name:DBD

CAGE:JO372

=== Contractor Identification ===

Compan

y Name:FRY METALS

Address:4100 SIXTH AVE

Box:City:ALTOONA

State:PA

ZIP:16602

Country:US

Phone:814-946-1611

CAGE:JO372

Company Name:FRY TECHNOLOGY DIV OF COOKSON AMERICA INC

Address:6TH AVE AND 41ST ST

Box:City:ALTOONA

State:PA

ZIP:16602

Country:US

Phone:814-946-1611

CAGE:65172

Company Name:INDUSTRIAL OVERSEAS INC (904-797-3376)

CAGE:40443

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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: 30

%
OSHA PEL:1 MG/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: 12.5%
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID (SARA III)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: 3%
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazard Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:MANUFACTURER DID NOT SPECIFY IF THE
PRODUCT CONTAINS CARCINOGENS.
Effects of Overexposure:INHALE: FAINTNESS, NAUSEA. INGEST: HARMFUL OR
FATAL. INHALE: HARMFUL. SKIN: BURNS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====
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First Aid:INHALE: REMOVE TO FRSH AIR, GIVE CPR/O*2 IF NEED. EYES/SKIN:
FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MIN. INGEST: RINSE MOUTH,
DRINK PLENTY OF MILD OR WATER, DO NOT INDUCE VOMIT, CONTACT
PHYSICIAN IM MEDIATELY. GET MEDICA ATTENTION FOR SYMPTOMS OF
OVEREXPOSURE.

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Fire Fighting Measures =====

Extinguishing Media:NON FLAMMABLE: USE MEDIA SUITABLE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:SELF-CONTAINED B

REATHING APPARATUS;USE WATER

SPRAY TO COOL CONTAINERS.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE IN HEAT OF FIRE.

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

Spill Release Procedures:EVACUATE UMPROTECTED PERSONS. DO NO TOUCH
SPILLED MATERIAL. WEAR PROTECTIVE EQUIPMENT. STOP LEAK IF POSSIBLE
WITHOUT RISK. ABSORBWITH COMMERCIAL ABSORBENT, PUT IN APPR
CONTAINERS; LG SPILL: CONTAIN WI TH DIKE, TRANSFER TO APPROVED
CONTAINER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. KEEP CONTAINERS TIGHTLY CLOSED. PROTECT FORM PHYSICAL DAMAGE.
STORE AS AN ACID.

Other Precautions:MAINTAIN STRICT HYGIENE, AVOID PHYSICAL CONTACT,
REMOVE & WASH CONTAMINATED CLOTHING. WHEN WELDING, USE WELDERS
GLOVES, FACE SHIELD, LEATHE APRON, WELDERS COATS, & COLORED
ABSORPTIVE LENS.

===== Exposure Controls/Personal Protection =====
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Respiratory Protection:FOR EXPOSURE:SELF-CONTAINED BREATHING
APPARATUS/APPROVED RESPIRATOR.

Ventilation:MECHANICAL(GENERAL/LOCAL EXHAUST)

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY/CHEM GOGGLES

Other Protective Equipment:FULL WORK CLOTHING.

Work Hygienic Practices:SEE OTHER PRECAUTIONS.

Supplemental Safety and Health

2 TYPE AND B FORM

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

HCC:C1

Boiling Pt:B.P. Text:214F,101C

Spec Gravity:1.29

Evaporation Rate &a

mp; Reference:0.5

Solubility in Water:COMPLETE

Appearance and Odor:SLIGHTLY COLORED SOLUTION; ACID ODOR

Percent Volatiles by Volume:69.8

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

Stability Indicator/Materials to Avoid:YES

ALKALIES

Stability Condition to Avoid:NONE NOTED

Hazardous Decomposition Products:CHLORINE, HYDROCHLORIC ACID, CARBON DIOXIDE, ZINC.

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

Waste Disposal Methods:KEEP IN COVERED CONTAINERS PENDING DISPOSAL.

HANDLE AND DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS. WASH RESIDUE WITH WATER(PER MFG)

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