

L. CARLTON MERTZ CO./DBA L. CA -- MIL-C-10578

=====  
MSDS Safety Information  
=====

FSC: 6850  
NIIN: 00-656-1292  
MSDS Date: 10/07/1996  
MSDS Num: CDYWH  
Product ID: MIL-C-10578  
MFN: 01  
Responsible Party  
Cage: 60797  
Name: L. CARLTON MERTZ CO./DBA L. CARLTON MERTZ COMPANY  
Address: 6147 W. 65TH STREET  
City:  
CHICAGO IL 60638  
Info Phone Number: 708-594-1050  
Emergency Phone Number: 800-424-9300(CHEMTREC)  
Preparer's Name: UNKNOWN  
Review Ind: Y  
Published: Y

=====  
Contractor Summary  
=====

Cage: 60797  
Name: VJ COMPOUNDING CORP (FORMALLY: L. CARLTON MERTZ CO.)  
Address: 6147 W. 65TH STREET  
City: CHICAGO IL 60638  
Phone: 708-594-1050

=====  
Item Description Info  
rmination  
=====

Item Manager: S9G  
Item Name: CORROSION REMOVING COMPOUND  
Specification Number: MIL-C-10578  
Type/Grade/Class: TYPE II  
Unit of Issue: DR  
Quantitative Expression: 00000000005GL  
UI Container Qty: 1  
Type of Container: DRUM

=====  
Ingredients  
=====

Cas: 7664-38-2  
RTECS #: TB6300000  
Name: PHOSPHORIC ACID (SARA 313) (CERCLA)  
% Wt: &lt;55  
Oth

er REC Limits: NONE RECOMMENDED

OSHA PEL: 1 MG/M3

ACGIH TLV: 1 MG/M3/3 STEL; 9596

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

=====  
Health Hazards Data  
=====

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: \*\*CORROSIVE\*\* EYES:MAY CAUSE BURNS,IRREVERSIBLE EYE INJURY

OR BLINDESS.SKIN:MAY CAUSE DERMATITIS,BURNS AND TISSUE DESTRUCTION.INHAL:MAY CAUSE RESPIRATORY IRRITATION,BRONCHITIS AND PULMONARY EDEMA.INGE ST:MAY CAUSE GASTROINTESTINAL BURNS.

Explanation Of Carcinogenicity: THIS ITEM DOES NOT CONTAIN ANY INGREDIENT AT 0.1% OR GREATER WHICH IS A CARCINOGEN.

Signs And Symptoms Of Overexposure: INGEST:CHEST AND STOMACH PAIN,DIFFICULTY IN BREATHING,NAUSEA,VOMITING,BLOODY DIARRHEA,CONVULSION,COLLAPSE AND DEATH.INHAL:COUGHING,CHOKING,BURNING THROAT.

Medical Cond Aggravated By Exposure: MAY AGGRAVATE EXISTING SKIN AND/OR EYE CONDITIONS,ASTHMA/OTHER RESPIRATORY DISEASES.

First Aid: EYES:FLUSH WITH WATER UNTIL ALL TRACES ARE GONE.SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH SOAP AND WATER.SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.I NHAL:REMOVE FROM EXPOSURE.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NESCESSARY.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE 2 GLASSES WATER/MILK.

=====  
Handling and Disposal  
=====

Spill Release Procedures: ONLY ALLOW TRAIN PERSON TO CLEANUP SPILL.SMALL SPILLS:VENTILATE AREA.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.NEUTRALIZE SPILL,THEN FLUSH WITH WATER.NEUTRALIZATION RESULTS IN HEAT;USE CAUTION.P LACE WASTE IN A DOT-APPROVED CONTAINER.

Neutralizing Agent: SODA ASH, SODIUM BICARBONATE, LIME.

Wast

e Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID HEAT, SPARKS AND FLAMES.

Other Precautions: ALWAYS ADD ACID TO WATER, NOT THE REVERSE.

=====  
Fire and Explosion Hazard Information  
=====

Flash Point Text: NONE

Lower Limits: NA

Upper Limits:  
NA

Extinguishing Media: EXTINGUISH FIRE USING AGENTS SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard: THERMAL DECOMPOSITION PRODUCTS MAY BE TOXIC. CONTACT W/REACTIVE METALS MAY PRODUCE FLAMMABLE/EXPLOSIVE HYDROGEN-AIR MIXTURES. REACTS VIOLENTLY W/STRONG BASES.

=====  
Control Measures  
=====

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR W/FULL FACE PIECE WHEN HNDLG THIS PRODUCT.

Ventilation: USE LOCAL EXHAUST AT THE WORKSITE; GENERAL EXHAUST TO MAINTAIN TLV/PEL.

Protective Gloves: NATURAL RUBBER, NEOPRENE, NITRILE.

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: APRON, COVERALLS. PROVIDE A LOCAL EYE WASH STATION AND QUICK DRENCH SHOWER.

Work Hygienic Practices: DISCARD CONTAMINATED CLOTHING.  
WASH HANDS AFTER USING THIS PRODUCT.

Supplemental Safety and Health: NONE

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

HCC: C1

B.P. Text: 212F, 100C

Decomp Text: UNKNOWN

Spec Gravity: 1.37

PH: <2(1%)

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: COMPLETE.

Appearance and Odor: CLEAR, COLORLESS LIQUID, ACIDIC ODOR

=====  
Reactivity D

ata

Stability Indicator: YES

Stability Condition To Avoid: PROTECT FROM MOISTURE.MAY SPATTER UPON CONTACT WITH WATER OR WATER CONTAINING CHEMICAL(WITH EVOLUTION OF HEAT).

Materials To Avoid: RXS VIOLENTLY W/BASES,LIBERATING HEAT & SPATTERING. CONTACT W/COMMON METALS PRODUCE FLAMM/POTENTIALLY EXPLO HYDROGEN GAS

Hazardous Decomposition Products: OXIDES OF PHOSPHORUS & ACID MIST AS WELL AS HYDROGEN GAS.

Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 60797

Trans ID NO: 80914

Product ID: MIL-C-10578

MSDS Prepared Date: 10/07/1996

Review Date: 12/05/1997

MFN: 1

Tech Entry NOS Shipping Nm: PHOSPHORIC ACID

Net Unit Weight: 57.1 LBS

AF MMAC Code: NR

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: DR

Container QTY: 1

Type Of Container: DRUM

Additional Data: CARGO AIRCRAFT ONLY.

Detail DOT Information

DOT PSN Code: DWD

Symbols: G

DOT Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Hazard Class: 8

UN ID Num: UN3264

DOT Packaging Group: II

Label: CORROSIVE

Special

I Provision: B2,T14  
Packaging Exception: 154  
Non Bulk Pack: 202  
Bulk Pack: 242  
Max Qty Pass: 1 L  
Max Qty Cargo: 30 L  
Vessel Stow Req: B  
Water/Ship/Other Req: 40

=====  
Detail IMO Information  
=====

IMO PSN Code: ESE  
IMO Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. o  
IMDG Page Number: 8147-1  
UN Number: 3264  
UN Hazard Class: 8  
IMO Packaging Group: I/II/III  
Subsidiary Risk Label:  
-  
EMS Number: 8-15  
MED First Aid Guide NUM: 760

=====  
Detail IATA Information  
=====

IATA PSN Code: HLA  
IATA UN ID Num: 3264  
IATA Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. \*  
IATA UN Class: 8  
IATA Label: CORROSIVE  
UN Packing Group: II  
Packing Note Passenger: 808  
Max Quant Pass: 1L  
Max Quant Cargo: 30L  
Packaging Note Cargo: 812

=====  
Detail AFI Information  
=====

AFI PSN Code: HJZ  
AFI Symbols: \*  
AFI Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
AFI Hazard Class: 8  
AFI UN ID NUM: UN3264  
AFI Packing Group: II  
Special Provisions: P4  
Back Pack Reference: A12.3

=====  
HAZCOM Label  
=====

Product ID: MIL-C-10578  
Cage: 60797  
Company Name: VJ COMPOUNDING CORP

(FORMALLY: L. CARLTON MERTZ CO.)  
Street: 6147 W. 65TH STREET  
City: CHICAGO IL  
Zipcode: 60638  
Health Emergency Phone: 800-424-9300(CHEMTREC)  
Label Required IND: Y  
Date Of Label Review: 12/15/1997  
Status Code: C  
MFG Label NO: UNKNOWN  
Label Date: 12/15/1997  
Year Procured: 1997  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Severe  
Contact Hazard: Severe  
Fire Hazard: None  
Reactivity Hazard: None  
Hazard And Preca

utions: **\*\*CORROSIVE\*\*** EYES:MAY CAUSE BURNS,IRREVERSIBLE EYE  
INJURY OR BLINDESS.SKIN:MAY CAUSE DERMATITIS,BURNS AND TISSUE  
DESTRUCTION.INHAL:MAY CAUSE RESPIRATORY IRRITATION,BRONCHITIS AND PULMONARY  
EDEMA.INGE ST:MAY CAUSE GASTROINTESTINAL BURNS. FIRST AID: EYES:FLUSH WITH  
WATER UNTIL ALL TRACES ARE GONE.SEEK MEDICAL ATTENTION IF IRRITATION  
PERSISTS.SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH SOAP AND WATER .SEEK  
MEDICAL ATTENTION IF IRRITATION PERSISTS.INHAL:REMOVE FROM EXPOSURE.GIVE

OXYGEN OR ARTIFICIAL RESPIRATION IF NESCESSARY.INGEST:DO NOT INDUCE  
VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CO NSCIOUS,GIVE 2 GLASSES  
WATER/MILK.

=====  
Disclaimer (provided with this information by the compiling agencies): This  
information is formulated for use by elements of the Department of Defense.  
The United States of America in no manner whatsoever expressly or implied  
warrants, states, or intends said information to  
have any application, use or  
viability by or to any person or persons outside the Department of Defense  
nor any person or persons contracting with any instrumentality of the United  
States of America and disclaims all liability for such use. Any person  
utilizing this instruction who is not a military or civilian employee of the  
United States of America should seek competent professional advice to verify  
and assume responsibility for the suitability of this information to their  
part

icular situation regardless of similarity to a corresponding Department of Defense or other government situation.