

CORTEC CORP -- VCI-560 POWDER

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

FSC: 6850
NIIN: 00-865-2916
MSDS Date: 04/08/1991
MSDS Num: BFTFC
Product ID: VCI-560 POWDER
MFN: 01
Responsible Party
Cage: 44695
Name: CORTEC CORP
Address: 310 CHESTER ST
City: ST. PAUL MN 55107
Info Phone Number: 61
2-224-5643
Emergency Phone Number: 800-426-7832 OR 612-224-5643
Preparer's Name: CHRISTOPHE CHANDLER
Proprietary Ind: Y
Review Ind: Y
Published: Y

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

Cage: 44695
Name: THE CORTEC CORPORATION
Address: 4119 WHITE BEAR PKY
City: SAINT PAUL MN 55110-7634
Phone: 651-429-1100/800-4-CORTEC

=====
Item Description Information
=

=====
Item Manager: S9G
Item Name: INHIBITOR,CORROSION,VAPOR BARRIER
Specification Number: MIL-I-22110
Type/Grade/Class: TY I
Unit of Issue: CO
Quantitative Expression: 00000000002OZ
UI Container Qty: 1
Type of Container: CAN

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====

=====

Health Hazards Data

=====

LD50 LC50 Mixture: ORAL LD50 = 284 MG/KG (RAT)

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: PRODUCT IS IRRITATING TO BODY TISSUES. IT IS HARMFUL IF SWALLOWED OR INHALED AS DUST. INHALATION OF VAPOR IS NOT EXPECTED DUE TO ITS LOW VAPOR PRESSURE.

Explanation Of Carcinogenicity: MFR GIVES NO MORE INFO ON CARCINOGENICITY EXCEPT THE THREE LISTINGS.

Signs And Symptoms Of Overexposure: EYE:MECHANICAL/CHEMICAL IRRITAZTION. SKIN: MILD IRRITATION INHALED:(OF DUST) RESPIRATORY IRRITATION, POSSIBLE EFFECTS OF INGESTION. INGESTED:G/I IRRITATION, METHEMOGLOBINEMIA, VASCULAR COLLAPSE DUE TO RELAXATION OF SMALL BLOOD VESSELS.

Medical Cond Aggravated By Exposure: NONE GIVEN BY MANUFACTURER (SUPPLIER).

First Aid: EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE

. WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING AS NEEDED. INGESTED:IMMEDIA TELY GIVE 2 LARGE GLASSES OF MILK OR WATER AND INDUCE VOMITING. (NOTHING BY MOUTH IF UNCONSCIOUS.) GET IMMEDIATE MEDICAL CARE. IF ANY IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR.

=====

Handling and Disposal

=====

Spill Release Procedures: SWEEP UP. PLACE IN AN APPROVED CONTAINER.

Wa

ste Disposal Methods: INCINERATE OR DISPOSE OF IN ACCCORDANCE WITH EXISTING LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions: STORE IN A COOL DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED

Other Precautions: AVOID UNNECESSARY SKIN & EYE CONTACT.AVOID BREATHING MISTS OR DUSTS.DO NOT TAKE INTERNALLY

=====

Fire and Explosion Hazard Information

=====

Flash Point Text: UNKNO

WN

Lower Limits: UNKNOWN

Upper Limits: UNKNOWN

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

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

=====
Control Measures

=====
Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation: GENERAL/LOCAL TO MAINTAIN AN ADEQUATE VENTILATION.

Protective Gloves: CHEMICAL RESISTANT, RUBBER OR PLASTIC

Eye Protection: SAFETY GLASSES/GOGGLES

Other Protective Equipment: SAFETY SHOES

SAFETY SHOWER, EYE-WASH STATION

Work Hygienic Practices: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health: LIGHT/HEAT MAY DISCOLOR THE TABLETS/POWDER.

=====
Physical/Chemical Properties

HCC: F8

B.P. Text: UNKNOWN

M.P/F.P Text: 333F, 167C

Decomp Text: UNKNOWN

Vapor Pres: 0.0001 MM

Vapor Density: UNKNOWN

Spec Grav

ity: UNKNOWN

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: UNKNOWN

Appearance and Odor: WHITE TO OFF WHITE POWDER, SLIGHT AMINE ODOR

Corrosion Rate: UNKNOWN

=====
Reactivity Data

=====
Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Materials To Avoid: ACIDS, ALKALIS, AND OXIDIZING AGENTS

Hazardous Decomposition Products

ts: OXIDES OF CARBON AND NITROGEN.

Hazardous Polymerization Indicator: NO

=====
Toxicological Information
=====

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 44695

Trans ID NO: 89277

Product ID: VCI-560 POWDER

MSDS Prepared Date: 04/08/19

91

Review Date: 10/03/1991

MFN: 1

Tech Entry NOS Shipping Nm: DICYCLOHEXYLAMINE NITRITE, 100%(CAS 3129-91-7

Net Unit Weight: 2 OZ

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CO

Container QTY: 1

Type Of Container: CAN

Additional Data: PROPER SHIPPING NAME DERIVED FROM UN2678 WHICH WAS LISTED ON
THE MSDS.

=====
Detail DOT Information
=====

DOT PSN Code: EWP

DOT Proper Shipping Name: DICYC

LOHEXYLAMMONIUM NITRITE

Hazard Class: 4.1
UN ID Num: UN2687
DOT Packaging Group: III
Label: FLAMMABLE SOLID
Packaging Exception: 153
Non Bulk Pack: 213
Bulk Pack: 240
Max Qty Pass: 25 KG
Max Qty Cargo: 100 KG
Vessel Stow Req: A
Water/Ship/Other Req: 48

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

IMO PSN Code: FNG
IMO Proper Shipping Name: DICYCLOHEXYLAMMONIUM NITRITE
IMDG Page Number: 4137
UN Number: 2687

UN Hazard Class: 4.1
IMO Packaging Group: III
Subsidiary Risk Label: -
EMS Number: 4.1-05
MED First Aid Guide NUM: 235

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

IATA PSN Code: JCS
IATA UN ID Num: 2687
IATA Proper Shipping Name: DICYCLOHEXYLAMMONIUM NITRITE
IATA UN Class: 4.1
IATA Label: FLAMMABLE SOLID
UN Packing Group: III
Packing Note Passenger: 419
Max Quant Pass: 25KG
Max Quant Cargo: 100KG
Packag
ing Note Cargo: 420

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

AFI PSN Code: JCS
AFI Proper Shipping Name: DICYCLOHEXYLAMMONIUM NITRITE
AFI Hazard Class: 4.1
AFI UN ID NUM: UN2687
AFI Packing Group: III
Special Provisions: P5
Back Pack Reference: A8.4

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

Product ID: VCI-560 POWDER
Ca

ge: 44695

Company Name: THE CORTEC CORPORATION

Street: 4119 WHITE BEAR PKY

City: SAINT PAUL MN

Zipcode: 55110-7634

Health Emergency Phone: 800-426-7832 OR 612-224-5643

Label Required IND: Y

Date Of Label Review: 12/16/1998

Status Code: C

Label Date: 12/16/1998

Origination Code: G

Hazard And Precautions: PRODUCT IS IRRITATING TO BODY TISSUES. IT IS HARMFUL IF SWALLOWED OR INHALED AS DUST. INHALATION OF VAPOR IS NOT EXPECTED DUE TO ITS LOW VAPOR PRESSURE.

EYE:MECHANICAL/CHEMIC

AL IRRITAZTION. SKIN: MILD

IRRITATION INHALED:(OF DUST) RESPIRATORY IRRITATION, POSSIBLE EFFECTS OF INGESTION. INGESTED:G/I IRRITATION,METHEMOGL OBINEMIA, VASCULAR COLLAPSE DUE TO RELAXATION OF SMALL BLOOD VESSELS.

=====

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 o
r 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 responsibi

lity for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.