

CORTEC CORPORATION -- VCI-238 AEROSOL

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

FSC: 6850
NIIN: 01-413-9361
MSDS Date: 02/13/1998
MSDS Num: CJZTM
Product ID: VCI-238 AEROSOL
MFN: 10
Responsible Party
Cage: 44695
Name: CORTEC CORPORATION
Address: 4119 WHITE BEAR PARKWAY
City: ST PAUL MN 55110
Info
Phone Number: 651-429-1100/800-4-CORTEC
Emergency Phone Number: 612-429-1100

=====
Item Description Information
=====

Item Manager: S9G
Item Name: INHIBITOR,CORROSION,VAPOR BARRIER
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: BX
Quantitative Expression: 00000000006EA
UI Container Qty: 0
Type of Container: AEROSOL CANS

=====
Ing
redients
=====

Name: *** PROPRIETARY ***

=====

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

LD50 LC50 Mixture: NOT ESTABLISHED
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: REPEATED OR PROLONGED SKIN CONTACT WITH THIS MATERIAL CAN
CAUSE MODERATE IR

IRRITATION AND DEFATTING OF SKIN LEADING TO POSSIBLE CHRONIC DERMATITIS. CONTACT OF EYE TISSUES WITH LIQUID AND/OR HIGH VAPOR CONCENTRATIONS WILL CAUSE EYE IRRITATION. EXCESSIVE INHALATION OF HIGH VAPOR CONCENTRATIONS AND/OR PARTICLE MISTS OF PRODUCT MAY CAUSE LIGHT HEADEDNESS, GIDDINESS, NAUSEA, VOMITING, SHORTNESS OF BREATH, IRRITATION OF MUCOUS MEMBRANES AND MAY LEAD TO NARCOSIS AND CARDIAC IRREGULARITIES. INGESTION OF PRODUCT IS EXPECTED TO CAUSE GASTROINTESTINAL IRRITATION. ABSORPTION THROUGH

THE GI TRACT MAY CAUSE SYMPTOMS SIMILAR TO INHALATION ROUTE.

Explanation Of Carcinogenicity: PER MSDS.

Signs And Symptoms Of Overexposure: EYES: IRRITATION. SKIN: MODERATE IRRITATION, DEFATTING, DERMATITIS. INHALATION: LIGHT HEADEDNESS, GIDDINESS, NAUSEA, VOMITING, SHORTNESS OF BREATH, IRRITATION OF MUCOUS MEMBRANES, NARCOSIS, CARDIAC IRREGULARITIES. INGESTION: GASTROINTESTINAL TRACT IRRITATION, SYMPTOMS SIMILAR TO INHALATION ROUTE.

Medical Cond Aggravated By Exposure:

CARDIOPULMONARY DISEASE.

First Aid: EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN. INHALATION: REMOVE TO AN UNCONTAMINATED AREA, ADMINISTER OXYGEN IF NECESSARY. IF VICTIM HAS STOPPED BREATHING BEGIN CPR. GET MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, GIVE WATER BUT DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. CAUTION: EPINEPHRINE OR OTHERS

STIMULANTS MAY ADVERSELY AFFECT THE HEART.

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

Spill Release Procedures: ABSORB ON SWEEPING COMPOUND OR OTHER ABSORBENT MATERIALS.

Waste Disposal Methods: INCINERATE OR DISPOSE OF IN ACCORDANCE WITH EXISTING FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

Handling And Storage Precautions: AVOID EYE AND SKIN CONTACT. AVOID EXCESSIVE INHALATION OF VAPORS AND/OR PARTICLE MIST. USE IN A WELL VENTILATED ENVIRONMENT. CAUTION: CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM HEAT AND OPEN FLAME.

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

Flash Point Text: NOT ESTABLISHED

Lower Limits: N/E

Upper Limits: N/E

Extinguishing Media: CARBON DIOXIDE OR OTHER DRY CHEMICAL FIRE FIGHTING AGENTS.

Fir

e Fighting Procedures: FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: CONTENTS OF AEROSOL CANS ARE UNDER PRESSURE.

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

Respiratory Protection: A NIOSH APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation: USE IN WELL VENTILATED ENVIRONMENT.

Protective Gloves: CHEMICAL RESISTANT RUBBER OR PLASTIC.

Eye Protection: SAFETY GLASSES/SPL
ASH GOGGLES.

Other Protective Equipment: EYE WASH STATION.

Supplemental Safety and Health: NOTE TO PHYSICIAN:CAUTION: EPINEPHRINE OR OTHER STIMULANTS MAY ADVERSELY AFFECT THE HEART.

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

HCC: V3

B.P. Text: N/E

Vapor Density: N/E

Spec Gravity: 0.779 TO 0.815

Evaporation Rate & Reference: N/E

Appearance and Odor: CLEAR, YELLOW LIQUID; SWEET ODOR. PACKAGED I
N 12 OZ
AEROSOL CAN.

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: CONTACT WITH INCOMPATIBLE MATERIALS.

Materials To Avoid: STRONG ACIDS, ALKALIS AND OXIDIZING AGENTS. CHEMICALLY ACTIVE METALS (SODIUM, POTASSIUM, ETC.).

Hazardous Decomposition Products: OXIDES OF CARBON AND NITROGEN.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization

: WILL NOT OCCUR.

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

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

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

Transport Information: PER MSDS: DOT/ IMDG/ IATA SHIPPING NAME: AE

ROSOLS,

FLAMMABLE, N.O.S.; CLASS 2.1; UN 1950; LABELS, FLAMMABLE GAS. IMDG CODE PAGE
(AMDT. 28-96): 210. FREIGHT CLASS BULK: LTL: 55, TL: 35, MW: 40.

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

Federal Regulatory Information: T.S.C.A. STATUS: LISTED.
=====

Other Information
=====

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

Responsible Party Cage: 44695
Trans ID NO: 151238
Product ID: VCI-238 AEROSOL
MSDS Prepared Date: 02/13/1998
Review Date: 01/29/2000
MFN: 10
Tech Entry NOS Shipping Nm: (MINERAL SPIRITS, CARBON DIOXIDE)
Net Unit Weight: 6X12 OZ CAN
Multiple KIT Number: 0
Unit Of Issue: BX
Container QTY: 0
Type Of Container: AEROSOL CANS
Additional Data: TRANSPORTATION INFORMATION PER MANUFACTURER
S MSDS.

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

DOT PSN Code: AGC
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,
DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
Hazard Class: 2.1
UN ID Num: UN1950
Label: FLAMMABLE GAS
Special Provision: N82
Non Bulk Pack: NONE
Bulk Pack: NONE
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A
Water/Ship/Other Req: 40,48,85
=====

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

IMO PSN Code: AKD
IMO Proper Shipping Name: AEROSOLS o
IMDG Page Number: 2102
UN Number: 1950
UN Hazard Class: 2(T)
IMO Packaging Group: -
Subsidiary Risk Label: T
EMS Number: 2-13
MED First Aid Guide NUM: 620
=====

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

IATA PSN Code: ALS
IATA UN ID Num: 1950
IATA Pro
per Shipping Name: AEROSOLS, FLAMMABLE
IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: 203
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 203
=====

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

AFI PSN Code: ALR
AFI Symbols: *
AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.
AFI PSN Modifier: (EACH NOT EXCEEDING 1L C
APACITY)
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1950
Special Provisions: P4
Back Pack Reference: A6.3
=====

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

Product ID: VCI-238 AEROSOL
Cage: 44695
Company Name: THE CORTEC CORPORATION
Street: 4119 WHITE BEAR PKY
City: SAINT PAUL MN
Zipcode: 55110-7634
Health Emergency Phone: 612-429-1100
Label Required IND: Y
Date Of Label Review: 01/29/2000
Status Code: A
Label Date: 01/29/20

00

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: REPEATED OR PROLONGED SKIN CONTACT WITH MATERIAL CAN CAUSE MODERATE IRRITATION AND DEFATTING OF SKIN LEADING TO CHRONIC DERMATITIS. CONTACT OF EYE TISSUES WITH LIQUID AND/OR HIGH VAPOR CONCENTRATIONS WILL CAUSE EYE IRRITATION. EXCESSIVE INHALATION OF HIGH VAPOR

CONCENTRATIONS AND/OR PARTICLE MISTS OF PRODUCT MAY CAUSE LIGHT HEADEDNESS, GIDDINESS, NAUSEA, VOMITING, SHORTNESS OF BREATH, IRRITATION OF MUCOUS MEMBRANES AND MAY LEAD TO NARCOSIS AND CARDIAC IRREGULARITIES. INGESTION OF PRODUCT IS EXPECTED TO CAUSE GI TRACT IRRITATION. ABSORPTION THROUGH GI TRACT MAY CAUSE SYMPTOMS SIMILAR TO INHALATION ROUTE.

=====
Disclaimer (provided with this information by the compiling agencies): This

is

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