

CALGON VESTAL LABORATORIES, DIV OF CALGON CORP -- COVERAGE PLUS,6367-08 --  
6840-01-222-3562

===== Product Identification =====

Product ID:COVERAGE PLUS,6367-08

MSDS Date:10/01/1995

FSC:6840

NIIN:01-222-3562

MSDS Number: CCLYM

=== Responsible Party ===

Company Name:CALGON VESTAL LABORATORIES, DIV OF CALGON CORP

Address:7501 PAGE

Box:147

City:SAINT LOUIS

State:MO

ZIP:63166-1096

Country:US

Info Phon

e Num:314-535-1395 (NIGHT)/1810 (DAY)

Emergency Phone Num:314-535-1810/800-424-9300(CHEMTREC)

Preparer's Name:M. EBERS

CAGE:21667

=== Contractor Identification ===

Company Name:CONVATEC, BRISTOL-MEYERS SQUIBB CO

Address:7501 PAGE

Box:147

City:ST. LOUIS

State:MO

ZIP:63166-1096

Country:US

Phone:314-535-1810 (DAY)

CAGE:21667

===== Composition/Information on Ingredients =====

Ingred Name:DI-N-ALKYL DIETHYL AMMONIUM CHLORIDE

CAS:68424-95-3

Fraction by Wt: 13.02%

Other REC Limits:N

ONE RECOMMENDED

Ingred Name:ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDES

CAS:68424-85-1

RTECS #:UZ2995000

Fraction by Wt: 8.68%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 4.34%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9596

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 1050 MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YE

S

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,

RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE TO EYE & SKIN. VAPORS MAY CAUSE CNS EFFECTS, RESPIRATORY TRACT IRRITATION. INGESTION CAUSES IMMEDIATE PAIN OF MOUTH, THROAT & AB DOMEN; SWELLING OF LARYNX, MUSCLE PARALYSIS, CIRCULATORY SHOCK AND/OR CONVULSION. MAY BE FATAL IF INGESTED. CHRONIC- UNK

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION

, HEADACHE, DIZZINESS, NAUSEA,

VOMITING, DROWSINESS, BLURRED VISION, PAIN, BURNS, COUGHING, WHEEZING, SHORTNESS OF BREATH, COLLAPSE, UNCONSCIOUSNESS, COMA AND POSSIBLE DEATH

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY, CNS OR GASTROINTESTINAL FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP

IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES/SKIN:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. ORAL:DO NOT INDUCE VOMITING. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. IF CONSCIOUS, DRINK 2-4 GLASSES OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:132F,56C

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE (CO2), FOAM OR DRY

CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:FLAMMABLE. VAPOR CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE. MAY FORM TOXIC MATERIALS.

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

=

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AREA, AWAY FROM IGNITION SOURCES & INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT WELD, SOLDER OR DRILL SUCH CONTAINERS. KEEP OUT OF REACH OF CHILDREN. DO NOT INGEST. DO NOT GET IN EYES OR ON SKIN. DO NOT BREATHE VAPORS. WASH THOROUGHLY AFTER HANDLING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR

OR OR

AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER/LATEX

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF EXPOSURE.

Work H

Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:F6

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:1.008

pH:13.0

Solubility in Water:COMPLETE

Appearance and Odor:GREEN LIQUID - MINT ODOR

Percent Volatiles by Volume:68.40

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

Stability Indicator/

Materials to Avoid:YES

Stability Condition to Avoid:HIGH HEAT, SPARKS, FLAME, OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, ORGANIC CHLORIDES, HYDROGEN CHLORIDE, AMMONIA, AMINES

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. RECOMMENDED PROCEDURE IS BY INCINERATION.

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.