

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 Phone  
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:NO

NE 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:YES

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 PHYSICI AN OR POISON CONTROL CENTER IMMEDIATELY. IF CONSCIOUS, DRINK 2-4 GLASSES OF MILK OR WATER. NEVER GIVE ANYTIHING 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. PREVE NT 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 & INCOMP ATIBLES. 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 RESPIRATO

R 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 Hy

gienic 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/M

aterials 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 i

nformation 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.