

CAIG LABORATORIES INC -- DEOXIT D 100 SPRAY,57 GRAMS,D 100 S-2 -- 6850-01-435-6478
===== Product Identification =====

Product ID:DEOXIT D 100 SPRAY,57 GRAMS,D 100 S-2
MSDS Date:03/30/1996
FSC:6850
NIIN:01-435-6478
MSDS Number: CDKVF
=== Responsible Party ===
Company Name:CAIG LABORATORIES INC
Address:16744 W BERNARDO DR
City:SAN DIEGO
State:CA
ZIP:92127-1904
Country:US
Info Phone Num:619-451-1799
Emergency Phone Num:619-451-1799/800-424-9300(CHEMTREC)
Preparer's Name:MARK K. LOHKEMPER
CAGE:55403
=== Contractor Identification ===
Company Name:CAIG LABORATORIES INC
Address:12200 THATCHER CT
Box:City:POWAY
State:CA
ZIP:92064
Country:US
Phone:858-486-8388
CAGE:55403

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

Ingred Name:ETHANE, 1,1-DIFLUORO/DIFLUOROETHANE
CAS:75-37-6
RTECS #:K11410000
Fraction by Wt: 90%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DEOXIT D100L

LIQUID/DEOXIT

Fraction by Wt: 10%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE IRRITATION. SKIN CONTACT CAN CAUSE DEFATTING & DRYNESS. INGESTION MAY CAUSE VOMITING. ASPIRATION OF

MATERIAL INTO LUNGS MAY CAUSE LUNG DAMAGE. INHALATION OF VAPORS MAY CAUSE RESPIRATORY IRRITATION, DROWSINESS, UNCONSCIOUSNESS. CHRONIC- DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIFFICULTY IN BREATHING, NAUSEA, VOMITING, DIZZINESS, FATIGUE, CONFUSION, DERMATITIS, BLURRED VISION, TEARING, PAIN, ABDOMINAL CRAMPING, DIARRHEA, UNCONSCIOUSNESS

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES

ES OF THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:CALL PHYSICIAN AT ONCE. INDUCE VOMITING ONLY AS DIRECTED BY MEDICAL PERSONNEL. IF CONSCIOUS,

RINSE MOUTH WITH

WATER. KEEP PERSON WARM & QUIET. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:FLAMMABLE AEROSOL

Lower Limits:3.9

Upper Limits:16.9

Extinguishing Media:USE CARBON DIOXIDE (CO2), ALCOHOL 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. DO NOT

USE
WATER.

Unusual Fire/Explosion Hazard:SPRAY CANS UNDER PRESSURE. EXTREMELY
FLAMMABLE. EXPLOSION HAZARD EXISTS WHEN SPRAY CANS HEATED. DO NOT
ENTER SPRAY CAN STORAGE AREA IF FIRE PRESENT.

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

Spill Release Procedures:VENTILATE AREA. REMOVE IGNITION SOURCES.
LEAKING CONTAINERS SHOULD BE PLACED OUTDOORS, IN AN OPEN CONTAINER,
AWAY FROM SOURCES OF IGNITION. ALLOW PRESSURE TO DISSIPATE. ABSORB
SPILL WITH NON-FLAMMABLE ABSORBENT AND PLACE IN CONTAINER FOR
DISPOSAL.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE SPRAY CANS IN COOL, WELL
VENTILATED AREAS AWAY FROM SOURCES OF IGNITION & STRONG OXIDIZING
AGENTS. DO NOT STORE IN DIRECT SUNLIGHT.
Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND MAY BE
DANGEROUS. FOLLOW ALL LABEL INSTRUCTIONS. AVOID REPEATED/PROLONGED
SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPORS.
DO NOT SPRAY TOWARD FACE/HOT SURFACES. WASH AFTER HANDLING.

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

Respiratory Protection:IF TLV IS EXCEEDED, WEAR NIOSH-APPROVED ORGANIC
VAPOR RESPIRATOR 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:BUTYL IF SKIN CONTACT IS POSSIBLE
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE
AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING,
DRINKING/SMOKING.
Supplemental Safety and Health

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

es =====

HCC:V3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:572F LIQUID

Vapor Pres:4498

Vapor Density:2.4

Spec Gravity:0.85

Viscosity:NOT KNOWN

Appearance and Odor:RED LIQUID - HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, DIRECT SUNLIGHT,
HOT METAL SURFACES

Hazardous Decomposition Products:CARBON MONOXIDE, CAR
BON DIOXIDE,
HYDROCARBONS MAY BE FORMED.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE SPRAY CANS
EVEN AFTER USE. DO NOT FLUSH INTO DRAINS. DO NOT CONTAMINATE
ENVIRONMENT.

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