

D 100 S-2,DEOXIT D 100 SPRAY,57 GRAMS

MSDS Number

CJYSY

National Stock Number

6850-01-435-6478

Product Name

D 100 S-2,DEOXIT D 100 SPRAY,57 GRAMS

Manufacturer

CAIG LABORATORIES INC

Product Identification

Product ID:D 100 S-2,DEOXIT D 100 SPRAY,57 GRAMS

MSDS Date:07/08/1999

FSC:6850

NIIN:01-435-6478

MSDS Number: CJYSY

Responsible Party

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US

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Preparer: MARK K. LOHKEMPER

Cage: 55403

Contractor

CAIG LABORATORIES INC

POWAY, CA 92064

US

858-486-8388

Cage: 55403

Ingredients

DIFLUOROETHANE

CAS: 75-37-6

RTECS: KI1410000

OSHA PELNOT ESTABLISHED.

ACGIH TLV: NOT ESTABLISHED.

DEOXIT

OSHA PELNOT PROVIDED.

ACGIH TLV: NOT PROVIDED.

Hazards

LD50 LC50 Mixture:NOT PROVIDED.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN CONTACT: PROLONGED CONTACT MAY CAUSE DRYNESS OF SKIN. EYE CONTACT: LIQUIDS, MISTS OR VAPORS CAN CAUSE EYE IRRITATION, STINGING AND SWELLING. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE ACUTE IRRITATION OF LININGS OF MOUTH, NOSE AND THROAT. VOMITING MAY RESULT, CAUSING ASPIRATION INTO LUNGS, CAUSING CHRONIC PULMONARY EDEMA CHEMICAL PNEUMONITIS. INHALATION: HARMFUL IF VAPORS INHALED IN HIGH CONCENTRATIONS. MAY CAUSE IRRITATION TO LINING OF LUNGS, WITH SUBSEQUENT CHRONIC PULMONARY EDEMA. REPLACEMENT OF OXYGEN MAY LEAD TO DROWSINESS OR UNCONSCIOUSNESS. BREATHING HIGH VAPOR CONCENTRATIONS FOR LONG PERIODS MAY LEAD TO NARCOSIS.

Explanation of Carcinogenicity:NONE OF THE COMPONENTS OF THIS PRODUCT ARE KNOWN TO HAVE CARCINOGENIC, MUTAGENIC, SENSITIZATION EFFECTS. Effects of Overexposure:SKIN CONTACT: PROLONGED/REPEATED CONTACT MAY CAUSE DRYNESS OF SKIN. EYE CONTACT: CONTACT WITH LIQUIDS, MISTS OR VAPORS OF THIS PRODUCT CAN CAUSE EYE IRRITATION, STINGING AND SWELLING. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE ACUTE IRRITATION OF THE LININGS OF THE MOUTH, NOSE AND THROAT. VOMITING MAY RESULT, CAUSING ASPIRATION OF MATERIAL INTO THE LUNGS, WITH THE PRODUCTION OF CHRONIC PULMONARY EDEMA CHEMICAL PNEUMONITIS. INHALATION: HARMFUL IF PRODUCT VAPORS ARE INHALED IN HIGH CONCENTRATIONS. MAY CAUSE IRRITATION TO THE LINING OF THE LUNGS, WITH SUBSEQUENT CHRONIC PULMONARY EDEMA. REPLACEMENT OF OXYGEN MAY CAUSE UNCONSCIOUSNESS.

Medical Condition Aggravated by Exposure:NOT PROVIDED.

First Aid

First Aid:SKIN CONTACT: WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER. REMOVE CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY. INDUCE VOMITING ONLY AS DIRECTED BY MEDICAL PERSONNEL. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL ATTENTION.

Fire Fighting

Flash Point: =240.C, 464.F

FLAMMABLE AEROSOL

Autoignition Temp:Autoignition Temp Text:N/E

Lower Limits:3.9

Upper Limits:16.9

Extinguishing Media:ALCOHOL FOAM,WATER FOG,DRY CHEMICAL,CO2. DO NOT USE WATER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:CARBON DIOXIDE,CARBON MONOXIDE, AND HYDROCARBONS.

Accidental Release

Spill Release Procedures:WEAR RESPIRATORY PROTECTION IN CONFINED SPACES, EYE PROTECTION, CHEMICAL RESISTANT GLOVES. VENTILATE AREA. REMOVE IGNITION SOURCES. FOR LARGE SPILLS, ABSORB WITH INERT MATERIAL (CLAY, SAND, OR DIRT). PLACE IN SEALED METAL CONTAINER FOR DISPOSAL. SINCE PRODUCT IS NOT USED IN LARGE QUANTITIES AND PRODUCT IS NON-HAZARDOUS, ABSORB WITH INERT MATERIAL AND DISCARD SAME AS MINERAL OIL.

Neutralizing Agent:NOT PROVIDED.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE, AWAY FROM HEAT, SPARKS OR FLAMES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT STORE IN DIRECT SUNLIGHT. KEEP OUT OF REACH OF CHILDREN. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN, EYES, CLOTHING. AVOID BREATHING PRODUCT VAPOR FOR EXTENDED PERIODS OF TIME.

Other Precautions:USE ONLY WITH ADEQUATE VENTILATION. GENERAL VENTILATION SHOULD BE ADEQUATE, BUT USE LOCAL EXHAUST VENTILATION IN CONFINED SPACES OR AT POINTS OF EXCESSIVE DISCHARGE. AVOID ACTIVITIES THAT COULD CAUSE SPLASHING OF THE SPILLED MATERIAL OR CREATE MISTS.

Exposure Controls

Respiratory Protection:FULL FACE RESPIRATOR MASK EQUIPPED WITH ACID GAS/ORGANIC VAPOR CARTRIDGE OR FUME HOOD OR OTHER TYPE OF LOCAL EXHAUST VENTILATION.

Ventilation:GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE VAPORS.LOCAL EXHAUST VENTILATION SHOULD BE USED IF LARGE AMOUNTS ARE RELEASED.

Protective Gloves:CHEMICAL RESISTANT RUBBER.

Eye Protection:SAFETY GLASSES,SPLASH GOGGLES,FULL FACE SHIELD.

Other Protective Equipment:NONE REQUIRED FOR NORMAL CONDITIONS OF INDUSTRIAL USE.

Work Hygienic Practices:WASH HANDS BEFORE EATING OR SMOKING WHEN USING THIS PRODUCT.

Supplemental Safety and Health
NONE

Chemical Properties

HCC:V3

Boiling Pt:=-25.C, -13.F

B.P. Text:DIFLUOROETHANE

Vapor Pres:87 PSIA

Vapor Density:2.4(AIR=1)

Volatile Org Content %:1

Spec Gravity:0.85 @ 25C

Appearance and Odor:AEROSOL, RED LIQUID - ETHERAL/HYDROCARBON ODOR

Stability

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:DO NOT SPRAY AROUND OPEN FLAMES,SPARKS,OR HOT METAL SURFACES.

Hazardous Decomposition Products:OXIDES OF CARBON AND UNBURNED HYDROCARBONS

Conditions to Avoid Polymerization:HAZARDOUS EXOTHERMIC POOLYMERIAZTION WILL NOT OCCUR.

Disposal

Waste Disposal Methods:PRODUCT WASTE IS SUITABLE FOR FUELS BLENDING FOR ENERGY RECOVERY OR DISPOSAL BY INCINERTION. PRODUCT MAY BE RECOVERABLE BY DISTILLATION OR RECYCLING. LANDFILLING IS NOT RECOMMENDED FOR DISPOSAL. USERS SHOULD REFER TO ANY LOCAL OR NATIONAL REGULATIONS THAT APPLY TO SUBSTANCE.

Toxicology

Toxicological Information:NONE OF THE COMPONENTS OF THIS PRODUCT ARE KNOWN TO HAVE CARCINOGENIC, MUTAGENIC, SENSITIZATION EFFECTS. BREATHING HIGH VAPOR CONCENTRATIONS FOR LONG PERIODS OF TIME MAY LEAD TO NARCOSIS.

Other Information

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

Ecological:MOBILITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, AND AQUATIC TOXICITY: NO PRODUCT-SPECIFIC DATA

AVAILABLE. ENVIRONMENTAL PRECAUTIONS: IN CASE OF AN ACCIDENTAL PRODUCT RELEASE, AVOID RUNOFF INTO SEWERS AND DITCHES THAT LEAD TO WATERWAYS

Transport

Transport Information:DOT. SHIPPING NAME: CONSUMER PRODUCT. CLASS: ORM-D. IATA. UN NO.: ID-8000. CLASS: 9. LABEL: CONSUMER COMMODITY ORM-D. IMDG. SHIPPING NAME: AEROSOL PRODUCT. CLASS: 2. UN NO. 1950. IMDG CODE: PAGE 2102 . LABEL: NOT REQUIRED.

Regulatory

SARA Title III Information:NOT PROVIDED.

Federal Regulatory Information:OSHA HAZARD COMPONENTS (29 CFR 1910.1200): DIFLUOROETHANE. ALL INGREDIENTS ARE LISTED IN THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY. MARINE POLLUTANT: NO.

State Regulatory Information:CALIFORNIA PROPOSITION 65: THE CALIFORNIA LIST OF CHEMICALS,"KNOWN TO CAUSE CANCER OR REPRODUCTIVE TOXICITY" IS SO EXTENSIVE IT REQUIRES MORE CLARIFICATION, RESEARCH AND EVALUATION. MEANWHILE, ALL CHEMICALS DISTRIBUTED BY, OR MANUFACTURED BY CAIG LABORATORIES, SHALL BE ASSUMED TO BE ON THE LIST OR CONTAIN DETECTABLE AMOUNTS OF CHEMICAL LISTED.