

CAIG LABORATORIES INC -- PROGOLD-100% AEROSOL -- 6850-01-435-6478

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

Product ID:PROGOLD-100% AEROSOL  
MSDS Date:07/08/1999  
FSC:6850  
NIIN:01-435-6478  
Status Code:A  
MSDS Number: CLDGJ  
=== Responsible Party ===  
Company Name:CAIG LABORATORIES INC  
Address:12200 THATCHER CT  
City:POWAY  
State:CA  
ZIP:92064  
Country:US  
Info Phone Num:858-486-8388  
Emergency Phone Num:(800)424-9  
300  
Resp. Party Other MSDS Num.:MSDS#PD100S  
Preparer's Name:MARK K. LOHKEMPER  
Chemtrec Ind/Phone:(800)424-9300  
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  
Contract Num:SP0450-00-M-D412  
CAGE:55403  
Company Name:CAIG LABORATORIES INC  
Address:12200 THATCHER CT  
Box:City:POWAY  
State:CA  
ZIP:92064  
Country:US  
Phone:858-486-8388  
Contract Num:SP0450-01-M-ZC16  
CAGE:55403

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== Composition/Information on Ingredients ==

Ingred Name:DIFLUOROETHANE (CAS# 75-37-6)

CAS:75-37-6

RTECS #:K11410000

= Wt:90.

Other REC Limits:NOT PROVIDED.

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:DEOXIT, NON-HAZARDOUS

= Wt:10.

Other REC Limits:NOT PROVIDED.

OSHA PEL:NOT PROVIDED.

ACGIH TLV:NOT PROVIDED.

==== Hazards Identification =====

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/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 C

HRONIC 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.

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 DRYNE

SS 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 Cond Aggravated by Exposure:NOT PROVIDED.

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

First Aid:SKIN CONTACT: WASH WITH SOAP AND WATER. SEEK MEDICAL  
ATTENTION IF IRRITATION PERSISTS. EYE CONTACT: IMMEDIATELY FLUSH  
WITH PLENTY OF WATER. REMOVE ANY CONTACT LENSES AND CONTINUE  
FLUSHING FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENT

ION 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 Measures =====

Flash Point: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 Measures =====

Spill Release Procedures:OBSERVE RECOMMENDATIONS FOR PERSONAL  
PROTECTIVE EQUIPMENT. FOR LARGE SPILLS, ABSORB WITH INERT MATERIAL  
SUCH AS CLAY, SAND, OR DIRT AND PLACE IN  
SEALED METAL CONTAINER FOR  
DISPOSAL. SINCE PRODUCT IS NOT NORMALLY USED IN LARGE QUANTITIES  
AND PRODUCT IS NON-HAZARDOUS, ABSORB WITH INERT MATERIAL AND  
DISCARD AS YOU WOULD MINERAL OIL.

Neutralizing Agent:NOT PROVIDED.

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

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 RE

ACH 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.

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

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 \*\*THIS MSDS IS FOR PROGOLD AND DEOXIT-100% AEROSOL.

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

HCC:V3

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

B.P. Text:DIFLUOROETHANE

Vapor Pres:87PSIA

Vapor Density:2.4

Volatile Org Content %:1

Spec Gravity:0.85

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

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===== Stabili

ty and Reactivity Data =====

**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

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

Toxicological Information:BREATHING HIGH VAPOR CONCENTRATIONS FOR LONG PERIODS OF TIME MAY LEAD TO NARCOSIS.

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

Ecological:IN LARGE QUANTITIES, WATER RUNOFF MAY CAUSE ENVIRONMENTAL DAMAGE. NO PRODUCT-SPECIFIC DATA AVAILABLE.

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

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.

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

Transport Information:DOT: CONSUMER PRODUCT, CLASS ORM-D. IATA: CONSUMER COMMODITY, CLASS 9, ID8000, IMDG: AEROSOL PRODUCTS, CLASS 2, UN1950.

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

Federal Regulatory Information:TSCA INVENTORY: ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

State Regulatory Information:CALIFORNIA PROPOSITION 65: THE CALIFORNIA LIST OF CHEMICALS, "KNOWN TO CAU

SE CANCER OR REPRODUCTIVE TOXICITY"

IS SO EXTENSIVE IT REQUIRES MORE CLARIFICATION, RESEARCH & 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.

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