

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)424-93

00

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

=====

= 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: HARM FUL 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 CH

RONIC 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 DRYNES

S OF SKIN. EYE CONTACT: CONTACT WITH LIQUIDS, MISTS OR VAPORS OF THIS PRODUCT CAN CAUSE EYE IRRITATION, STINGING AND SWELLING. INGESTION: HARM FUL 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 T

HE 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 ATTENTI

ON 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 S

EPALEED 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 REA

CH 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/Personal Protection =====
=====

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.

=====
===== 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

=====
===== Stabilit

Stability 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 INCINERATION. 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 CAUSE"

E 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.

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, e

xpressly 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.