

CAIG LABORATORIES INC -- PROGOLD G 100 SPRAY,57 GRAMS,G 100 S-2 -- 6850-01-435-6477  
===== Product Identification =====

Product ID:PROGOLD G 100 SPRAY,57 GRAMS,G 100 S-2

MSDS Date:03/30/1996

FSC:6850

NIIN:01-435-6477

MSDS Number: CDKVD

=== 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:619-451-17

99

Emergency Phone Num:619-451-1799

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

Contract Num:SPO-450-01-M-D856

CAGE:55403

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

Ingred Name:ETHANE, 1,1-DIFLUORO/DIFLUOROETHANE

CAS:75-37-6

RTECS #:KI1410000

Fraction by Wt: 90%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PR

OGOLD G100L LIQUID/PROGOLD  
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 VOMIT  
ING. 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-EXISTI  
NG  
DISEASES 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 PERSONNE  
L. IF CONSCIOUS, RINSE MOUTH WITH  
WATER. KEEP PERSON WARM & QUIET. NEVER GIVE ANYTHING BY MOUTH TO AN  
UNCONSCIOUS PERSON.

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

Flash Point:FLAMMABL 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 APP

ARATUS. 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)  
VENTILA

TION 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/Chem

ical Properties =====

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, CARBON 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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