

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:619-451-179

9

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:PRO

GOLD 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 VOMITING.

INGESTION 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

DIS

EASES 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

RATUS. 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
S
PILL 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)
VENTILAT

ION 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/Chemi

cal 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 M

ONOXIDE, 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defens

e. The United States of America in no manner whatsoever,
expressly 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.