

CAML AUR SCIENTIFIC -- ACETONE -- 6810-00-264-8955

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

Product ID:ACETONE
MSDS Date:02/10/1999
FSC:6810
NIIN:00-264-8955
Status Code:A
MSDS Number: CJD XW
=== Responsible Party ===
Company Name:CAML AUR SCIENTIFIC
Address:4820 SPANISH TRAIL
City:HOUSTON
State:TX
ZIP:77221
Country:US
Info Phone Num:281-343-0364
Emergency Phone Num:213-516-8000
CAGE:TO062
=== Contractor I
dentification ===
Company Name:CAML AUR SCIENTIFIC
Address:4820 SPANISH TRAIL
Box:City:HOUSTON
State:TX
ZIP:77221
Country:US
Phone:281-343-0364
CAGE:TO062
Company Name:LOS ANGELES CHEMICAL CO
Address:4545 ARDINE ST
Box:1987
City:SOUTH GATE
State:CA
ZIP:90280
Country:US
Phone:213-562-9500
Contract Num:SP0450-99-M-C379
CAGE:75656

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

Ingred Name:ACETONE (SARA 313) (CERCLA)
CAS:67-64-1
RTECS #:AL3150000
= Wt:100.
Other REC Limits:NON

E RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:750PPM/1000STEL;9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) 5,800 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: BLOOD, LIVER, KIDNEYS,
LUNGS. THE NERVOUS SYSTEM, MUCOUS MEMBRANES. ACUTE- SLIGHTLY
DANGEROUS TO DANGEROUS IN
CASE OF SKIN CONTACT (PERMEABLE), OF EYE
CONTACT (IRRITANT), OF INGESTION, OF INHALATION. VERY SLIGHTLY TO
SLIGHTLYDANGEROUS IN CASE OF SKIN CONTACT (IRRITANT, SENSITIZER).
THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT. CHRONIC- THE
SUBSTANCE IS TOXIC TO BLOOD, KIDNEYS, LUNGS, THE NERVOUS SYSTEM,
LIVER, MUCOUS MEMBRANES. REPEATED OR PROLONGED EXPOSURE TO THE
SUBSTANCE CAN PRODUCE TARGET ORGANS DAMAGE.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGR
EDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:UPPER RESPIRATORY TRACT IRRITATION, WEAKNESS OF
THE LEGS, HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, MALAISE,
INCOORDINATION, SKIN IRRITATION, DEFATTING, STINGING SENSATION IN
EYES, FRUITY ODOR OF THE BREATH, RESTLESSNESS, DIARRHEA, NAUSEA,
VOMITING, HEMATEMESIS, COLLAPSE
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
RINSE WITH PLENTY OF WATER OR UNDER SHOWER. IF IRRITATION PERSISTS,
GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE
BREATHING. GET MEDICAL ATTENTION

ON. INGESTION: DO NOT INDUCE
VOMITING. IF CONSCIOUS, DRINK SEVERAL GLASSES OF WATER OR MILK.
SEEK IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:CC

Flash Point:=-20.C, -4.F

Autoignition Temp:=465.C, 869.F

Lower Limits:2.6 %

Upper Limits:12.8%

Extinguishing Media:SMALL FIRE: USE DRY CHEMICALS, CARBON DIOXIDE,
WATER SPRAY, ALCOHOL FOAM. LARGE FIRE: USE ALCOHOL FOAM, WATER
SPRAY OR FOG.

Fire Fighting Procedures

:WEAR FULL PROTECTIVE CLOTHING, INCLUDING
HELMET AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH
FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND CAN
TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH
BACK. CAN FORM MAY FORM CARBON MONOXIDE, CARBON DIOXIDE.

===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. EVACUATE AREA.

WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT. VENTILATE AREA. DILUTE
WITH WATER AND MOP UP OR ABSORB WITH INERT, NON-FLAMMABLE DRY
MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER.

Neutralizing Agent:DILUTE WITH WATER

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

Handling and Storage Precautions:FLAMMABLE MATERIAL SHOULD BE STORED IN
A SEPARATE SAFETY STORAGE CABINET OR ROOM. KEEP AWAY FROM HEAT,
SOURCES OF IGNITION IN A COOL, WELL-VENTILATED PLACE. KEEP

CONTAINER TIGHTLY CLOSED. GROUND ALL EQUIPMENTS CONTAINING THIS
MATERIAL.

Other Precautions:AVOID CONTACT WITH HEAT, SPARKS, FLAMES OR OTHER
SOURCES OF IGNITION. VAPORS MAY BE EXPLOSIVE. DO NOT ALLOW
UNNECESSARY PERSONNEL IN AREA. DO NOT OVERHEAT CONTAINERS.
CONTAINERS MAY VIOLENTLY RUPTURE IN FIRE. A REFRIGERATED ROOM
WOULD BE PREFERABLE FOR MATERIALS WITH A FLASH POINT LOWER THAN
37.8C (100F)

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

on =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:DISPOSABLE VINYL

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO AVOID

SKIN CONTACT. BE SURE THAT EYE WASH STATION AND SAFETY SHOWER IS PROXIMAL TO THE WORK-STATION LOCATION.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=56.2C, 133.2F

Melt/Freeze Pt:=-95.4C, -139.7F

Vapor Pres:186.2 MM OF HG @ 20 DEG C

Vapo

r Density:2 (AIR=1)

Spec Gravity:0.79 (WATER=1)

Viscosity:NOT RELEVANT

Solubility in Water:VERY SOLUBLE

Percent Volatiles by Volume:100 %

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NO SPECIFIC INFORMATION IS AVAILABLE REGARDING THE REACTIVITY OF THIS MATERIAL IN PRESENCE OF VARIOUS OTHER MATERIALS.

Stability Condition to Avoid:HEAT, OPEN FLAME, IGNITION SOURCES, STATIC ELECTRICITY, SPARKS

Hazardous Decomposition Produc

ts:CARBON MONOXIDE, CARBON DIOXIDE

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

Toxicological Information:ACUTE DERMAL TOXICITY (LD50): 20000 MG/KG (RABBIT). ACUTE TOXICITY OF THE VAPOR (LC50): 29853 PPM (RAT).

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

Ecological:NOT EXPECTED TO BE TOXIC TO EQUATIC LIFE. LC50/96 HOUR VALUES FOR FISH ARE OVER 100 MG/L.

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

Waste Disposal

Methods:DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. RECYCLE IF POSSIBLE OR BURN FOR ENERGY RECOVERY.

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

State Regulatory Information:LISTED BY PENNSYLVANIA AND MASSACHUSETTS

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