

UNOCAL CHEMICALS DIV, -- ACETONE, AMSCO SOLV 5450; PRODUCT CODE NO:1 --  
6810-01-003-0262

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

Product ID:ACETONE, AMSCO SOLV 5450; PRODUCT CODE NO:1

MSDS Date:03/21/1989

FSC:6810

NIIN:01-003-0262

MSDS Number: BHCGR

=== Responsible Party ===

Company Name:UNOCAL CHEMICALS DIV,

Address:1345 N. MEACHAM

City:SCHAUMBURG

State:IL

ZIP:60196

Country:US

Info Phone Num:312-619-

2644

Emergency Phone Num:800-356-3129(L.A. POISON CONTROL)

CAGE:94684

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:UNOCAL CHEMICALS DIV.,UNION OIL OF CALIFORNIA

Address:1345 N MEACHAM

Box:City:SCHAUMBURG

State:IL

ZIP:60196

Phone:312-490-2500/800-424-9300(CHEMTREC)

CAGE:94684

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

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Ingred Name:ACETONE (SARA III)  
CAS:67-64-1  
RTECS #:AL3150000  
Fraction by Wt: 99-100%  
OSHA PEL:1000PPM  
ACGIH TLV:750PPM/1000STEL;9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 9750 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:THIS MATERIAL IS A SEVERE EYE  
IRRITANT. THIS MATER  
IAL MAY CAUSE SKIN IRRITATION. BREATHING HIGH  
CONCENTRATIONS OF VAPOR/ MIST MAY CAUSE IRRITATION OF THE NOSE &  
THROAT. INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF  
THE DIGESTIVE TRACT.

Explanation of Carcinogenicity:THIS SUBSTANCE HAS NOT BEEN IDENTIFIED  
AS A CARCINOGEN OR PROBABLE CARCINOGEN BY NTP, IARC OR OSHA.  
Effects of Overexposure:EYE-STINGING, TEARING, REDNESS, SWELLING & EYE  
DAMAGE. SKIN-REDNESS, BURNING & CRACKING OF THE SKIN. INHALATION-  
HEADACHE,  
DROWSINESS, DIZZINESS, LOSS OF COORDINATION & FATIGUE,  
NAUSEA & VOMITING. INGESTION-HEADACHE, DROWSINESS, DIZZINESS,LOSS  
OF COORDINATION AND FATIGUE.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS AND PRE-EXISTING LUNG DISORDERS MAY BE MORE SUSCEPTIBLE  
TO THE EFFECTS OF THIS MATERIAL OR AGGRAVATED BY THE EXPOSURE TO  
THIS MATERIAL.

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

First Aid:EYES: MOVE FROM EXPOSURE & INTO FRESH  
AIR. IF IRRITATED,  
FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE  
CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. SEE  
DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF  
NEEDED. SEE DOCTOR. INGESTION: NO FIRST AID IS NORMALLY REQUIRED,  
HOWEVER, IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:-4F,-20C  
Lower Limits:2.8  
Upper

Limits:13.2

Extinguishing Media:EXTINGUISH WITH DRY CHEMICAL, CARBON DIOXIDE, OR A UNIVERSAL TYPE FOAM.

Fire Fighting Procedures:THE USE OF A SCBA IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS/COOLING CONTAINERS EXPOSED TO HEAT/FLAME. DONOT SPREAD LIQUID

Unusual Fire/Explosion Hazard:FLASHBACK ALONG VAPOR TRAIL MAY OCCUR. THIS MATERIAL IS EXTREMELY FLAMMABLE & MAY BE IGNITED BY HEAT, SPARKS, FLAME OR STATIC ELECTRICITY. CONTAINER MAY EXPLODE

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

Spill Release Procedures:STAY UPWIND & AWAY FROM SPILL. KEEP IGNITION SOURCES AWAY FROM SPILL. IF SPILL IS INDOORS, VENTILATE AREA OF SPILL. A UNIVERSAL TYPE FOAM MAY BE USED TO SUPRESS VAPORS. KEEP OUT OF DRAINS, SEWERS OR W ATERCOURSES. USE SAND TO DAM & CONTAIN SPILL.

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

Handling and Storage Precautions:KEEP CONTAINERS COOL, DRY & AWAY FROM SOURCES OF IGNITION. USE & STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP WORK AREA FREE OF HOT SURFACES.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURE CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER IGNITION SOURCES ; THEY MAY EXPLODE & CAUSE INJURY/DEATH.

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

Respiratory Protection:THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMITS. DEPENDING ON THE AIRBORNE CONCENTRATIONS USE A RESPIRATOR OR GAS MASK WITH APPROPRIATE CARTRIDGE & CANISTER OR SUPPLIED AIR EQUIPMENT.

Ventilation:SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:IMPERMEABLE GLOVES.

Eye Protection:APPROVED EYE PROTECTION.

Other Protective Equipment:A SOURCE OF CLEAN WATER BE AVALIABLE IN WOR

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AREA FOR FLUSHING EYE/SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING.

Supplemental Safety and Health

COMMENTS: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER-EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (SOME TIMES REFERRED TO AS SOLVENT OR PAINTERS' SYNDROME) INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL.

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

HCC:F2

Boiling Pt:B.P. Text:133F,56C

Vapor Pres:186 MMHG

Vapor Density:2 AIR=1

Spec Gravity:0.791

Evaporation Rate & Reference:7.70 (N-BUTYL ACETATE=1)

Solubility in Water:100%

Appearance and Odor:CLEAR, LITTLE IF ANY COLOR. CHARACTERISTIC ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

THIS PRODUCT

IS INCOMPATIBLE WITH STRONG ACIDS OR BASES AND OXIDIZERS.

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES, STATIC ELECTRICITY, ETC.

Hazardous Decomposition Products:DECOMPOSITION MAY YIELD CARBON MONOXIDE AND/ OR CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

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