Chem-Impex International Inc.

Tel: (630) 766-2112 Fax: (630) 766-2218

E-mail: sales@chemimpex.com Web site: www.chemimpex.com

Shipping and Correspondence: Manufacturing site: 935 Dillon Drive 825 Dillon Drive

Wood Dale, IL 60191 USA Wood Dale, IL 60191 USA

SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 34936

NAME: Ethyl 2-(cyclopent-2-en-1-yl)acetate

SYNONYMS: Sultanene

24 HOUR EMERGENCY (800) 535-5053(USA)

TELEPHONE: 352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE: (630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

FLAMMABLE LIQUIDS (CATEGORY 4), H227 SKIN CORROSION/IRRITATION (CATEGORY 2), H315

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM

SIGNAL WORD WARNING

HAZARD STATEMENT(S)

H227 COMBUSTIBLE LIQUID. H315 CAUSES SKIN IRRITATION.

PRECAUTIONARY STATEMENT(S)

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES.

NO SMOKING.

P264 WASH SKIN THOROUGHLY AFTER HANDLING.

P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE

PROTECTION/ FACE PROTECTION.

P302 + P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P332 + P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/

ATTENTION.

P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE

REUSE.

NONE

P370 + P378 IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR

ALCOHOL-RESISTANT FOAM FOR EXTINCTION.

P403 STORE IN A WELL-VENTILATED PLACE.

P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE

DISPOSAL PLANT.

HAZARDS NOT

OTHERWISE

CLASSIFIED (HNOC) OR NOT COVERED BY

GHS

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF: $C_9H_{14}O_2$

MW: 154.20

CAS-NO. 15848-49-4

PURITY: 95 - 100% (GC)

HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION		
Ethyl 2-(cyclopent-2-en-1-yl)acetate				
	-	-		

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET

TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF

DANGEROUS AREA.

IF INHALED IF BREATHING IS DIFFICULT, REMOVE TO FRESH AIR AND

KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. FOR BREATHING DIFFICULTIES, OXYGEN MAY BE NECESSARY. CALL A PHYSICIAN IF SYMPTOMS

DEVELOP OR PERSIST.

IN CASE OF SKIN CONTACT TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.

GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS. WASH SKIN THOROUGHLY WITH SOAP AND

WATER FOR SEVERAL MINUTES.

IN CASE OF EYE CONTACT REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.

GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS. PROMPTLY WASH EYES WITH PLENTY OF

WATER WHILE LIFTING THE EYE LIDS.

IF SWALLOWED CALL A PHYSICIAN OR POISON CONTROL CENTER

IMMEDIATELY. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF THE PERSON IS CONSCIOUS). DO NOT INDUCE VOMITING. IF VOMITING OCCURS, THE HEAD SHOULD BE KEPT LOW SO THAT STOMACH VOMIT

DOESN"T ENTER THE LUNGS.

MOST IMPORTANT

SYMPTOMS AND

EFFECTS, BOTH ACUTE

AND DELAYED

DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION. SKIN IRRITATION. MAY CAUSE REDNESS AND

PAIN.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED NO DATA AVAILABLE

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING

MEDIA

SUITABLE EXTINGUISHING MEDIA

WATER SPRAY, FOG, CO2, DRY CHEMICAL, OR ALCOHOL

RESISTANT FOAM.

UNSUITABLE EXTINGUISHING MEDIA

DO NOT USE A SOLID WATER STREAM AS IT MAY SCATTER

AND SPREAD FIRE.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

SPECIAL HAZARDS ARISING FIRE MAY PRODUCE IRRITATING, CORROSIVE AND/OR

TOXIC GASES.

ADVICE FOR FIREFIGHTERS

WEAR SELF-CONTAINED BREATHING APPARATUS FOR

FIREFIGHTING IF NECESSARY.

MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO

WITHOUT RISK. WATER RUNOFF CAN CAUSE

ENVIRONMENTAL DAMAGE. VENTILATE CLOSED SPACES BEFORE ENTERING THEM. KEEP RUN-OFF WATER OUT OF

SEWERS AND WATER SOURCES. DIKE FOR WATER

CONTROL.

FURTHER INFORMATION

USE WATER SPRAY TO COOL UNOPENED

CONTAINERS. STATIC CHARGES GENERATED BY

EMPTYING PACKAGE IN OR NEAR FLAMMABLE VAPOR

MAY CAUSE FLASH FIRE.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE

CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN LOW

AREAS.

FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS, DISCHARGE

INTO THE ENVIRONMENT MUST BE AVOIDED.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP CONTAIN SPILLAGE, AND THEN COLLECT WITH AN ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13).

REFERENCE TO OTHER

FOR DISPOSAL SEE SECTION 13.

SECTIONS

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE

HANDLING

AVOID CONTACT WITH SKIN AND EYES. AVOID INHALATION OF VAPOUR OR MIST. KEEP AWAY FROM SOURCES OF IGNITION NO SMOKING. TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.

FOR PRECAUTIONS SEE SECTION 2.2.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES KEEP CONTAINER CLOSED. HANDLE CONTAINERS WITH CARE. OPEN SLOWLY IN ORDER TO CONTROL POSSIBLE

PRESSURE RELEASE. STORE IN A COOL, WELL-

VENTILATED AREA.

Store at RT

SPECIFIC END USE(S) APART FROM THE USES MENTIONED IN SECTION 1.2 NO

OTHER SPECIFIC USES ARE STIPULATED.

EXPOSURE CONTROLS/PERSONAL PROTECTION **SECTION 8.**

CONTROL PARAMETERS

COMPONENTS WITH WORKPLACE CONTROL **PARAMETERS**

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL

EXPOSURE LIMIT VALUES.

EXPOSURE CONTROLS

APPROPRIATE

USE EXPLOSION-PROOF VENTILATION EQUIPMENT TO STAY **ENGINEERING CONTROLS** BELOW EXPOSURE LIMITS. ADEQUATE VENTILATION SHOULD BE PROVIDED SO THAT EXPOSURE LIMITS ARE

NOT EXCEEDED.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR

EYE PROTECTION TESTED AND APPROVED UNDER

APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH

(US) OR EN 166(EU).

SKIN PROTECTION HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED

> PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE"S OUTER SURFACE) TO AVOID

SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF

CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY

PRACTICES. WASH AND DRY HANDS.

BODY PROTECTION COMPLETE SUIT PROTECTING AGAINST CHEMICALS,

FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING. THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF

THE DANGEROUS SUBSTANCE AT THE SPECIFIC

WORKPLACE.

RESPIRATORY WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING PROTECTION RESPIRATORS ARE APPROPRIATE USE A FULL-FACE

RESPIRATOR WITH MULTIPURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER

APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH

(US) OR CEN (EU).

CONTROL OF ENVIRONMENTAL

EXPOSURE

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE

INTO THE ENVIRONMENT MUST BE AVOIDED.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Clear, colorless liquid
ODOUR CHARACTERISTIC
ODOUR THRESHOLD NO DATA AVAILABLE
PH NO DATA AVAILABLE

MELTING

POINT/FREEZING POINT

BOILING POINT 196 - 197 °C FLASH POINT 67 °C

EVAPOURATION RATE NO DATA AVAILABLE FLAMMABILITY (SOLID, NO DATA AVAILABLE

GAS)

UPPER/LOWER NO DATA AVAILABLE

FLAMMABILITY OR EXPLOSIVE LIMITS

VAPOUR PRESSURE 0.75 MM HG AT 20 C VAPOUR DENSITY NO DATA AVAILABLE

RELATIVE DENSITY

WATER SOLUBILITY INSOLUBLE

PARTITION COEFFICIENT: NO DATA AVAILABLE

N- OCTANOL/WATER

AUTO-IGNITION NO DATA AVAILABLE

TEMPERATURE

DECOMPOSITION NO DATA AVAILABLE

TEMPERATURE

VISCOSITY NO DATA AVAILABLE

EXPLOSIVE PROPERTIES NOT EXPLOSIVE OXIDIZING PROPERTIES NOT OXIDIZING

OTHER SAFETY INFORMATION

NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY THE PRODUCT IS STABLE AND NON-REACTIVE UNDER

NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORT

CHEMICAL STABILITY STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF NO DANGEROUS REACTION KNOWN UNDER CONDITIONS

HAZARDOUS REACTIONS OF NORMAL USE.

CONDITIONS TO AVOID AVOID HEAT, SPARKS, OPEN FLAMES AND OTHER IGNITION

SOURCES. AVOID TEMPERATURES EXCEEDING THE FLASH

POINT. CONTACT WITH INCOMPATIBLE MATERIALS.

INCOMPATIBLE

MATERIALS

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION

PRODUCTS

NO HAZARDOUS DECOMPOSITION PRODUCTS IF STORED

AND HANDLED AS INDICATED.

IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY NO DATA AVAILABLE

INHALATION: NO DATA AVAILABLE

DERMAL: NO DATA AVAILABLE

NO DATA AVAILABLE

SKIN CORROSION/IRRITATION CAUSES SKIN IRRITATION.

METHOD: COMMISSION REGULATION (EC) NO. 440/2008

B46

RESULT: SEVERE SKIN IRRITATION

GLP: YES

SERIOUS EYE DAMAGE/EYE

IRRITATION

DIRECT CONTACT WITH EYES MAY CAUSE

TEMPORARY IRRITATION.

RESPIRATORY OR SKIN

SENSITISATION

TEST TYPE: MAXIMISATION TEST (GPMT)

SPECIES: GUINEA PIG

METHOD: OECD TEST GUIDELINE 406 RESULT: NO SENSITIZING EFFECT.

CONCENTRATION: 100 %

GLP: YES

GERM CELL MUTAGENICITY

GENOTOXICITY IN VITRO : TEST TYPE: AMES TEST

METABOLIC ACTIVATION: WITH AND WITHOUT

METABOLIC ACTIVATION

METHOD: OECD 471 RESULT: NEGATIVE

GLP: YES

TEST TYPE: IN VITRO MAMMALIAN CELL

MICRONUCLEUS TEST

TEST SPECIES: HUMAN LYMPHOCYTES

METABOLIC ACTIVATION: WITH AND WITHOUT

METABOLIC ACTIVATION

METHOD: OECD 487 RESULT: NEGATIVE

GLP: YES

CARCINOGENICITY

IARC: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS

IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED

HUMAN CARCINOGEN BY IARC.

ACGIH: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL

CARCINOGEN BY ACGIH.

NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED

CARCINOGEN BY NTP.

OSHA: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL

CARCINOGEN BY OSHA.

REPRODUCTIVE TOXICITY NO DATA AVAILABLE

SPECIFIC TARGET ORGAN

TOXICITY - SINGLE EXPOSURE

NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY - REPEATED

TOXICITY - REPE EXPOSURE NO DATA AVAILABLE

ASPIRATION HAZARD

NO DATA AVAILABLE

ADDITIONAL INFORMATION SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN.

RTECS: NOT AVAILABLE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

COMPONENT	S	SPECIES	TEST RESULTS	
Ethyl 2-(cyclopent-2-en-1-yl)acetate				
ACUTE				
ALGAE	ERC50	GREEN ALGEA	29.2 MG/L, 72 HOURS	
		(PSEUDOKIRCHNERIELLA		
		SUBCAPITATA)		
AQUATIC				
ACUTE				
CRUSTACEA	EC50	DAPHNIA MAGNA	33.8 MG/L, 48 HOURS	
FISH	LC50	FATHEAD MINNOW (PIMEPHALES	4.74 MG/L, 96 HOURS	
		PROMELAS)		

PERSISTENCE AND DEGRADABILITY

BIODEGRADABILITY RESULT: READILY BIODEGRADABLE

BIODEGRADATION: 82.8 % EXPOSURE TIME: 28 D METHOD: OECD 310

GLP: YES

BIOACCUMULATIVE

VPVB ASSESSMENT

POTENTIAL

NO DATA AVAILABLE

MOBILITY IN SOIL NO DATA AVAILABLE

RESULTS OF PBT AND PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL

SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED

OTHER ADVERSE NO DATA AVAILABLE

EFFECTS

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO

A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE

OF THIS MATERIAL.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. (SULTANENE)

NA-NUMBER: 1993 CLASS: NONE PACKING GROUP: III REPORTABLE QUANTITY 150

(RQ):

MARINE POLLUTANT NO

IMDG NOT DANGEROUS GOODS

IATA NOT DANGEROUS GOODS

SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE

REPORTING REQUIREMENTS OF SARA TITLE III, SECTION

302.

SARA 313 COMPONENTS THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL

COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

SARA 311/312 HAZARDS YES

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

CAS # REVISION DATE

Ethyl 2-(cyclopent-2-en-1-

yl)acetate

15848-49-4

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

CAS# REVISION DATE

Ethyl 2-(cyclopent-2-en-1-

15848-49-4

yl)acetate

NEW JERSEY RIGHT TO KNOW COMPONENTS

REVISION DATE CAS#

Ethyl 2-(cyclopent-2-en-1-

15848-49-4

yl)acetate

CALIFORNIA PROP. 65

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS COMPONENTS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER.

BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H227 COMBUSTIBLE LIQUID. H315 CAUSES SKIN IRRITATION.

HMIS RATING

HEALTH HAZARD: CHRONIC HEALTH HAZARD: 2 FLAMMABILITY: PHYSICAL HAZARD 0

NFPA RATING

HEALTH HAZARD: 2 2 FIRE HAZARD: REACTIVITY HAZARD:

MSDS LEGEND

MOLECULAR WEIGHT MW: MF: MOLECULAR FORMULA

VOC: **VOLATILE ORGANIC COMPOUNDS**

ACGIH: AMERICAN CONFERENCE OF GOVERNMENENTAL INDUSTRIAL

HYGINISTS

CAS: CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA) THRESHOLD LIMIT VALUE (ACGIH) TLV:

IMPORTANT:

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