

# *Chem-Impex International Inc.*

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825 Dillon Drive

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## SAFETY DATA SHEET

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### SECTION 1. CHEMICAL IDENTIFICATION

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CATALOG #: 34896

NAME: 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol

SYNONYMS:

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

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#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

SERIOUS EYE DAMAGE/EYE IRRITATION (CATEGORY 2A), H319

HAZARDOUS TO THE AQUATIC ENVIRONMENT, ACUTE HAZARD (CATEGORY 1), H400

HAZARDOUS TO THE AQUATIC ENVIRONMENT, LONG-TERM HAZARD (CATEGORY 1), H410

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)**

H319 CAUSES SERIOUS EYE IRRITATION  
H400 VERY TOXIC TO AQUATIC LIFE  
H410 VERY TOXIC TO AQUATIC LIFE WITH LONG-LASTING EFFECTS

**PRECAUTIONARY STATEMENT(S)**

P264 WASH SKIN THOROUGHLY AFTER HANDLING.  
P273 AVOID RELEASE TO THE ENVIRONMENT.  
P280 WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION.  
  
P305 + 351 + 338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO CONTINUE RINSING.  
P337 + P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.  
P391 COLLECT SPILLAGE.  
P420 STORE AWAY FROM INCOMPATIBLE MATERIALS.  
P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNO) OR NOT COVERED BY GHS** NONE

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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MF: C<sub>14</sub>H<sub>24</sub>O  
MW: 208.34  
CAS-NO. 28219-61-6  
PURITY: 95 - 100% (GC)

**HAZARDOUS COMPONENTS**

COMPONENT	CLASSIFICATION	CONCENTRATION
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol	-	-

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

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## **SECTION 4. FIRST-AID MEASURES**

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### **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.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b>	SEVERE EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION.
<b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b>	NO DATA AVAILABLE

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## **SECTION 5. FIRE AND EXPLOSION DATA**

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### **EXTINGUISHING MEDIA**

SUITABLE EXTINGUISHING MEDIA	SUITABLE EXTINGUISHING MEDIA WATER SPRAY, FOG, CO <sub>2</sub> , 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	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.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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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  
SECTIONS

FOR DISPOSAL SEE SECTION 13.

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## **SECTION 7. HANDLING AND STORAGE**

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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.

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

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### **CONTROL PARAMETERS**

COMPONENTS WITH  
WORKPLACE CONTROL  
PARAMETERS

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL  
EXPOSURE LIMIT VALUES.

### **EXPOSURE CONTROLS**

EXPOSURE GUIDELINES      DNEL (DERIVED NO-EFFECT LEVEL): WORKERS - LONG-TERM EXPOSURE  
SYSTEMIC EFFECTS DERMAL: 6 MG/KG BODY WEIGHT/DAY  
SYSTEMIC EFFECTS INHALATION: 21 MG/M  
DNEL (DERIVED NO-EFFECT LEVEL): GENERAL POPULATION - LONG-TERM EXPOSURE  
SYSTEMIC EFFECTS DERMAL: 3 MG/KG BODY WEIGHT/DAY  
SYSTEMIC EFFECTS INHALATION: 5.2 MG/M  
SYSTEMIC EFFECTS ORAL: 3 MG/KG BODY WEIGHT/DAY  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) AQUA (FRESHWATER): 8.8 G/L  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) AQUA (MARINE WATER): 0.88 G/L  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) SEWAGE TREATMENT PLANT: 1 MG/L  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) SEDIMENT (FRESHWATER): 1.05 MG/KG SEDIMENT DRY WEIGHT  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) SEDIMENT (MARINE WATER): 0.105 MG/KG SEDIMENT DRY WEIGHT  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) SOIL: 0.206 MG/KG SOIL DRY WEIGHT  
PNEC (PREDICTED NO-EFFECT CONCENTRATION) ORAL: 20 MG/KG FOOD

APPROPRIATE ENGINEERING CONTROLS      USE EXPLOSION-PROOF VENTILATION EQUIPMENT TO STAY 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 PROTECTION	WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING 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.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, colorless to slightly yellowish liquid
ODOUR	CHARACTERISTIC
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	NO DATA AVAILABLE
MELTING POINT/FREEZING POINT	
BOILING POINT	
FLASH POINT	> 93 °C
EVAPOURATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	NO DATA AVAILABLE
VAPOUR PRESSURE	0.0003 MM HG AT 25 °C
VAPOUR DENSITY	7.2
RELATIVE DENSITY	0.913 - 0.919 at 20 °C
WATER SOLUBILITY	INSOLUBLE
PARTITION COEFFICIENT: N- OCTANOL/WATER	NO DATA AVAILABLE
AUTO-IGNITION TEMPERATURE	218 - 222 °C
DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE PROPERTIES	NOT EXPLOSIVE
OXIDIZING PROPERTIES	NOT OXIDIZING

### OTHER SAFETY INFORMATION

SPECIFIC GRAVITY	0.92 AT 25 °C
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**SECTION 10. STABILITY AND REACTIVITY**

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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 HAZARDOUS REACTIONS	NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.
CONDITIONS TO AVOID	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

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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**INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>ACUTE TOXICITY</b>	LD50 ORAL RAT -> 5000 MG/KG  INHALATION: NO DATA AVAILABLE  LD50 DERMAL RABBIT -> 5000 MG/KG  NO DATA AVAILABLE
<b>SKIN CORROSION/IRRITATION</b>	CAUSES MILD SKIN IRRITATION IRRITATION (DERMAL, RABBIT)(OECD 404): NON IRRITANT @ 10% IRRITATION (DERMAL, RABBIT)(OECD 404): MODERATE IRRITANT @ 50% AND 100%, NON IRRITANT @ 2% AND 10% IRRITATION (DERMAL, HUMAN)(SINGLE PATCH TEST): NON IRRITANT @ 2% IRRITATION (HRIPT): IRRITANT EFFECTS @ 1% (5/51) IRRITATION (HRIPT): NON IRRITANT @ 5% IRRITATION (HRIPT): IRRITANT EFFECTS @ 5% (13/50)



<b>SERIOUS EYE DAMAGE/EYE IRRITATION</b>	<p>CAUSES SERIOUS EYE IRRITATION. CAUSES MILD EYE IRRITATION. IRRITATION (OCULAR, RABBIT)(OECD 405): MILD IRRITANT @ 6.25% IRRITATION (OCULAR, RABBIT)(OECD 405): MILD IRRITANT @ 10%</p>
<b>RESPIRATORY OR SKIN SENSITISATION</b>	<p>2- ETHYL-4-(2,2,3-TRIMETHYL-1-CYCLOPENT-3-ENYL)BUT-2-EN-1-OL, TESTED AT 1.0, 5.0 AND 10.0%, PRODUCED NO SENSITIZATION REACTION IN DIFFERENT HUMAN STUDIES. SENSITIZATION (GUINEA PIG MAXIMIZATION)(OECD 406): NON SENSITIZING @ 75% SENSITIZATION (GUINEA PIG MAXIMIZATION)(OECD 406): NON SENSITIZING @ 5% SENSITIZATION (GUINEA PIG MAXIMIZATION)(OECD 406): 1/10 DERMAL RESPONSE @ 1% AND 0.1%. SENSITIZATION (GUINEA PIG MAXIMIZATION)(OECD 406): @ 10% 6/10 DERMAL RESPONSES, @ 5% 3/10 DERMAL RESPONSES, @ 2% AND 1% 1/10 DERMAL RESPONSES. SENSITIZATION (HRIPT): NON SENSITIZING @ 10% SENSITIZATION (HRIPT): NON SENSITIZING @ 5% SENSITIZATION (HRIPT): NON SENSITIZING @ 1% PHOTOTOXICITY (GUINEA PIG): EFFECTS @ 3, 10%, NO EFFECTS @ 1% PHOTO-ALLERGENICITY (GUINEA PIG): NO EFFECTS @ 1%</p>
<b>GERM CELL MUTAGENICITY</b>	<p>MUTAGENICITY (OECD 471): SOME GROWTH INHIBITION AT TOP DOSES (78.1 MICROG/PLATE) MUTAGENICITY (OECD 471): SOME GROWTH INHIBITION AT TOP DOSES (78.1 MICROG/PLATE) MUTAGENICITY (OECD 471): NON MUTAGENIC MUTAGENICITY (OECD 471): NON MUTAGENIC</p>
<b>CARCINOGENICITY</b>	
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.
<b>REPRODUCTIVE TOXICITY</b>	NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE** NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE** NO DATA AVAILABLE

**ASPIRATION HAZARD** NO DATA AVAILABLE

**ADDITIONAL INFORMATION** SEVERE EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION.

RTECS: NOT AVAILABLE

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

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**SECTION 12. ECOLOGICAL INFORMATION**

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**TOXICITY** VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRODUCT		SPECIES	TEST RESULTS
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol			
<b>AQUATIC</b>			
ACUTE			
CRUSTACEA	EC50	DAPHNIA	0.63 MG/L, 48 HOURS
FISH	EC100	FISH	4 MG/L, 24 HOURS

**PERSISTENCE AND DEGRADABILITY**

**BIODEGRADABILITY** READILY BIODEGRADABILITY: OECD 301F): NON READILY BIODEGRADABLE  
 READILY BIODEGRADABILITY (OECD 301): 5%  
 INHERENT BIODEGRADABILITY (OECD 302C): 15% (28 DAYS)

**BIOACCUMULATIVE POTENTIAL** NO DATA AVAILABLE

**MOBILITY IN SOIL** NO DATA AVAILABLE

**RESULTS OF PBT AND VPVB ASSESSMENT** PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED

**OTHER ADVERSE  
EFFECTS**

NO DATA AVAILABLE

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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**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.

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**SECTION 14. TRANSPORT INFORMATION**

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**DOT (US)**

PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol )
UN NUMBER:	3082
CLASS:	9
PACKING GROUP:	III
REPORTABLE QUANTITY (RQ):	155
MARINE POLLUTANT	YES

**IMDG**

PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol )
UN NUMBER:	3082
CLASS:	9
PACKING GROUP:	III
MARINE POLLUTANT	YES

**IATA**

NOT DANGEROUS GOODS

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**SECTION 15. REGULATORY INFORMATION**

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**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
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol	28219-61-6	

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS**

	CAS #	REVISION DATE
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol	28219-61-6	

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

	CAS #	REVISION DATE
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)-but-2-en-1-ol	28219-61-6	

**CALIFORNIA PROP. 65 COMPONENTS** THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

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**SECTION 16. OTHER INFORMATION**

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

H319	CAUSES SERIOUS EYE <u>IRRITATION</u>
H400	VERY TOXIC TO AQUATIC LIFE
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG-LASTING EFFECTS

**HMIS RATING**

HEALTH HAZARD:	2
CHRONIC HEALTH HAZARD:	
FLAMMABILITY:	1
PHYSICAL HAZARD	0

**NFPA RATING**

HEALTH HAZARD:	2
FIRE HAZARD:	1
REACTIVITY HAZARD:	0

**MSDS LEGEND**

MW: MOLECULAR WEIGHT  
MF: MOLECULAR FORMULA  
VOC: VOLATILE ORGANIC COMPOUNDS  
ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL  
HYGINISTS  
CAS: CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER  
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA)  
TLV: THRESHOLD LIMIT VALUE (ACGIH)

**IMPORTANT:**

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