

# G.J. CHEMICAL COMPANY, INC. SAFETY DATA SHEET

## 1. PRODUCT IDENTIFIER

1.1 PRODUCT NAME-----> **Isobornyl Acrylate Inhibited**

PRODUCT NUMBER(S)-----> 180100

TRADE NAME OR SYNONYMS----> Exo-1, 7, 7-trimethylbicyclo[2.2.1]hept-2-yl  
Acrylate

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**RECOMMENDED USE:** End use as a cross linking agent/monomer in polymerization. Industrial use in coatings, inks, and adhesives.

**USES ADVISED AGAINST:** No information available

CAS NO: 5888-33-5

Chemical Family: Acrylate Ester

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company: **G.J. CHEMICAL CO., INC.**

Address: **40 VERONICA AVENUE  
SOMERSET, NJ 08873**

Telephone: **1-973-589-1450**

Fax: **1-973-589-3072**

### 1.4 Emergency Telephone Number

Emergency Phone: **1-800-424-9300 (CHEMTREC)**

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3) Respiratory System, H335

Acute aquatic toxicity (Category 2), H401

Chronic aquatic toxicity (Category 2), H411

### 2.2 GHS Label elements, including precautionary statements

Pictogram



GHS07

GHS09

Signal word: **WARNING**

**Hazard statement(s)**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H401 Toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

**Prevention:**

- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.
- P391 Collect spillage.

**Storage:**

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

**Disposal:**

- P501 Dispose of contents/ container to an approved waste disposal plant

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

**3. INGREDIENTS**

**3.1 SUBSTANCE:**

<b>Ingredient</b>	<b>CAS No.</b>	<b>% by WT. Range</b>	<b>CLASSIFICATION</b>
Isobornyl Acrylate	5888-33-5	98.5	Skin irritation (Category 2), H315
	EC# 227-561-6		Eye irritation (Category 2A), H319
	Index-No.607-133-00-9		STOT-SE (Category 3) Respiratory System,
	Reg.-No. 01-2119957862-25-XXXX		H335

			Acute aquatic toxicity (Category 2), H401
			Chronic aquatic toxicity (Category 2), H411
Monomethyl Ether of Hydroquinone	150-76-5 EC# 205-769-8 Index-No.604-044-00-7 Reg.-No. 01-2119541813-40-XXXX (MEHQ) (Mequinol)	90-110	Acute toxicity, Oral (Category 4), H302 Eye irritation (Category 2A), H319 Acute aquatic toxicity (Category 3), H401 Chronic aquatic toxicity (Category3), H412

3.2 MIXTURE: Not applicable

#### 4. FIRST-AID MEASURES

##### 4.1 DESCRIPTION OF FIRST AID MEASURES:

**Inhalation: Isobornyl Acrylate**

**\*\*FIRST AID- Remove from exposure to fresh air. If not breathing, give artificial respiration . Keep warm and quiet. Immediately notify a physician.**

**Eye Contact (Splash): Isobornyl Acrylate**

**\*\*FIRST AID- Immediately flush eyes with water for 15 minutes. Hold eyelids open for complete irrigation. Remove contact lenses, if worn, after initial flush. Immediately take to a physician.**

**Skin Contact(Splash): Isobornyl Acrylate**

**\*\*FIRST AID- Wash affected area with soap and large amounts of water. Consult a physician if irritation persists.**

**Ingestion: Isobornyl Acrylate**

**\*\*FIRST AID- Do NOT induce vomiting. If patient is conscious and alert, rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician or poison control center, treat symptomatically**

##### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

**Eye:** Irritant; May cause conjunctivitis. Causes redness and pain.

**Skin:** May be harmful if absorbed through skin. Irritant; Causes redness and pain.

**Inhalation:** Irritation of the respiratory tract. Sore throat, coughing, shortness of breath. High exposure can cause pulmonary edema.

**Ingestion:** Can severely irritate mouth, throat and stomach. Can cause dizziness, severe difficulty in breathing and nervousness.

**Chronic:** No information.

**Medical Conditions Aggravated by Exposure:** May adversely affect people with chronic disease of the respiratory system.

##### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: No data available.

## **5. FIRE FIGHTING MEASURES**

Flash Point: 97°C (207°F) TCC

LEL %: N.D.

Auto-Ignition Temp: No data available

UEL %: N.D.

UNIFORM FIRE CODE: Combustible Liquid: III-B

**5.1 SUITABLE EXTINGUISHING MEDIA:** Foam--> x CO2--> x Dry Chemical-->  
x Water-fog--> x Other-->

Unsuitable extinguishing media: Do not use waterjet.

### **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR**

**MIXTURE:** : Keep containers tightly closed. Isolate from all sources of ignition.  
Closed containers may explode when exposed to extreme heat.

**CONDITIONS OF FLAMMABILITY:** Not flammable or Combustible.

**HAZARDOUS COMBUSTION PRODUCTS:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and other unidentified organic compounds evolve when this material undergoes combustion.

**5.3 ADVICE FOR FIREFIGHTERS:** Shut off source. Water fog may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat. Wear NIOSH/MSHA approved self-contained breathing apparatus (SCBA) for confined spaces and where there is exposure to vapors. Use full fire-fighting protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance. Material must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

## **6. ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Immediately evacuate all nonessential people. Verify that responders are properly trained and wearing appropriate respiratory equipment and fire resistant protective clothing during cleanup operations.

### **6.2 ENVIRONMENTAL PRECAUTIONS:**

Keep out of water sources, drains and sewers. Do not flush into surface water or sanitary sewer system.

### **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**

#### **Methods for cleanup and containment:**

Use explosion proof equipment. Shut off valves, contain spill, keep out of water sources and sewers, for smaller spills add non-flammable absorbent such as clay or silica in spill area. For large spills use foam on spill to minimize vapors clean up by vacuuming then using non-flammable absorbent. Remove contaminated soil to remove contaminated trace residues.

#### **Methods for disposal:**

Place all saturated absorbent, using non-sparking tools, in an approved container for disposal. Flush with water to remove trace residue. Minimize breathing vapors and skin contact, ventilate confined areas, open all windows and doors, assure conformity with applicable government regulations. Keep all nonessential people away. Contaminated monomer may be unstable. Add inhibitor to prevent polymerization. All recovered material should be packaged, labeled, transported and disposed of in conformance with applicable laws and regulations.

**6.4 REFERENCE TO OTHER SECTIONS:** See Sections 8 and 13.

## **7. HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING:** Avoid breathing vapors in top of shipping container. Use with adequate ventilation. Do not take internally. Avoid prolonged or repeated contact with skin, eyes, and clothing. To prevent thermal burns avoid contact with hot product. Maintain contact with atmosphere of 5-21% oxygen. Do not use inert atmosphere as blanket. Under proper storage conditions a storage stability of 1 year is expected at ambient temperature. Avoid work practices that may release volatile components in the atmosphere. Avoid contaminating soil or releasing material into sewage and drainage systems. Use non-sparking tools to open or close containers.

#### **Advice on general occupational hygiene:**

Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs. When using do not smoke.

#### **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Follow maximum allowed pile heights specified in the BOCA codes or the NFPA manual. Local fire authorities should be notified for storage of this material in any quantity. Local permits are required for storage in warehouse quantities. Store in closed containers away from direct sunlight. Do not store above 100°F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Storage area should not be subject to rapid temperature changes. Structural materials should be resistant to corrosion by this product. A spill control and containment plan should be provided. Do not store with incompatible materials. Avoid storage under an oxygen free atmosphere. An air space is required above the liquid in all containers. Introduce air periodically in air space over liquid in all containers if stored over 6 months. Use monomer within 1 year. Conduct an inhibitor test on bulk material every month, drums and pails every 3 months. Keep containers tight and upright to prevent leakage. Do not store with incompatible materials. Keep containers closed when not in use. Storage class (TRGS 510): Combustible liquids

**CONTAINER WARNINGS:** Containers should be Bonded and Grounded when pouring. Avoid free fall of liquid in excess of a few inches. Empty containers release residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, or expose such containers to heat, sparks, static electricity or other sources of ignition. Do not attempt to clean. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner.

**7.3 SPECIFIC END USES:** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**8. EXPOSURE CONTROL (PERSONAL PROTECTION)**

**8.1 CONTROL PARAMETERS:**

Ingredient	CAS No.	% by WT. Range	Exposure Limits
Isobornyl Acrylate	5888-33-5 EC# 227-561-6 Index-No.607-133-00-9 Reg.-No. 01-2119957862-25-XXXX	98.5min.	N.E.
Monomethyl Ether of Hydroquinone (MEHQ) (Mequinol)	150-76-5 EC# 205-769-8 Index-No.604-044-00-7 Reg.-No. 01-2119541813-40-XXXX	90-110ppm	5mg/m3(NIOSH) 5mg/m3(ACGIH)

Key: (PEL) = Permissible Exposure Limit OSHA  
 (TLV) = Threshold Limit Value OSHA & ACGIH  
 (STEL) = Short Term Exposure Limit ACGIH  
 (WEEL) = USA. Workplace Environmental Exposure Levels  
 (TWA) = Time Weighted Average  
 CAS = Chemical Abstracts Registry Number  
 IDLH = Immediate Danger to Life and Health  
 N.E. = None Established  
 N.D. = Not Determined

**8.2 EXPOSURE CONTROLS**

**EXPOSURE GUIDELINES:** Consider the potential hazards of this material (Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent

exposure to harmful levels of this material, the personal protective equipment listed below is recommended.

**ENGINEERING CONTROLS:** Provide general dilution or local exhaust ventilation in volume and pattern to keep concentrations within permitted exposure limits. All areas should be ventilated in accordance with OSHA Regulation 29 CFR Part 1910. Explosion proof motors should be used in mechanical ventilation.

**RESPIRATORY PROTECTION:** The specific respirator selected must be based on contamination levels found in the work place, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA):

Where risk assessment shows air purifying respirators are appropriate, use an air purifying NIOSH/MSHA approved respirator with full face-piece and organic vapor cartridges. For concentrations in confined areas, and/or where vapor concentrations are unknown use a NIOSH approved positive pressure full face-piece supplied air respirator.

**BODY CLOTHING:** Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged contact with this substance. Use chemical resistant apron or other impervious clothing. Remove and wash contaminated clothing before reuse.

**SKIN PROTECTION:** Employee must wear appropriate protective gloves to prevent contact with this substance. Nitrile rubber or neoprene chemical resistant gloves. Use proper glove removal technique (without touching gloves outer surface)

**HYGIENE:** Use good personal hygiene practices, wash hands before eating, drinking, smoking or using toilet facilities.

**EYE/FACE PROTECTION:** Use safety eyewear with splash-guards conforming to EN166 or face shield must be worn where possibility exists for eye contact. Contact lenses should not be worn. Emergency shower and eyewash fountains should be easily available in the immediate vicinity of any potential exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Isobornyl Acrylate 5888-33-5

Appearance----->	Clear liquid
Color----->	Colorless
Odor----->	Ester-like odor
Odor Threshold----->	No data available
pH----->	No data available
Molecular Weight----->	208.3amu
Melting/Freezing Point)----->	<-20°C
Boiling Point ( °F)----->	119-121°C (246-250°F)

Specific Gravity----- > 0.986@25°C  
Vapor Pressure-----> No data available  
Vapor Density (air=1)-----> No data available  
Water Solubility----- > 19.8mg/L@20°C  
Partition Coefficient n-Octanol/Water-> log Pow 4.52  
Evaporation Rate (Butyl Acetate=1)----> No data available  
Flash Point----- > 97°C (207°F) - closed cup  
Upper Flammability Limit-----> No data available  
Lower Flammability Limit-----> No data available

Auto-Ignition Temperature----- > No data available  
Decomposition Temperature-----> No data available  
Viscosity-----> 7.5-9.5mpas@25°C  
Explosive Properties----- > No data available  
Oxidizing Properties----- > No data available

9.2 Other Information: No data available

## 10. STABILITY AND REACTIVITY INFORMATION

10.1 REACTIVITY: No applicable information available

10.2 CHEMICAL STABILITY: Unstable ( ) Stable (X)

This product is considered stable under specified conditions of storage, shipment and use. Must be equilibrated with an atmosphere containing 5-8% (by volume) oxygen for inhibitor to function.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: May occur (X) Will not occur ( ) at elevated temperatures. Hazardous polymerization can cause rapid evolution of heat and increased pressure which can result in violent rupture of storage vessels or containers.

10.4 CONDITIONS TO AVOID: No data available

10.5 INCOMPATIBLE MATERIALS: Oxidizing agents, Reducing agents, Peroxides, strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: No data available

## 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

Routes of Entry: Inhalation--> x Skin--> x Ingestion--> x

ACUTE HEALTH EFFECTS:



**Effects of overexposure:**

**Eye> Irritant; May cause conjunctivitis. Causes redness and pain.**

**Skin> May be harmful if absorbed through skin. Irritant; Causes redness and pain.**

**Inhalation> Irritation of the respiratory tract. Sore throat, coughing, shortness of breath. High exposure can cause pulmonary edema.**

**Ingestion> Can severely irritate mouth, throat and stomach. Can cause dizziness, severe difficulty in breathing and nervousness.**

**Chronic: No information.**

**Medical Conditions Aggravated by Exposure> May adversely affect people with chronic disease of the respiratory system.**

**ACUTE TOXICITY:**

The effects of overexposure shown in Section II are based on acute toxicity profiles. Typical values are:

<b>Ingredient</b>	<b> Oral LD50(Rat)</b>	<b> Skin LD50(Rabbit) </b>	<b> Inhalation LC50 </b>
<b>Isobornyl Acrylate</b>	<b>4890mg/kg</b>	<b>&gt;5000mg/kg</b>	<b>N.D.</b>
<b>Mequinol (MEHQ)</b>	<b>1370mg/kg</b>	<b>2000mg/kg</b>	<b>N.D.</b>

**SKIN CORROSION/IRRITATION: Moderate skin irritation**

**SERIOUS EYE DAMAGE/EYE IRRITATION: Moderate eye irritation**

**RESPIRATORY OR SKIN SENSITIZATION: No data available**

**MUTAGENIC EFFECTS: No data available**

**CARCINOGEN STATUS:**

**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 (STOT-SE) - single exposure (Globally Harmonized System):** Inhalation - May cause respiratory irritation.

**Specific target organ toxicity (STOT-RE) - repeated exposure (Globally Harmonized System):** no data available

**ASPIRATION HAZARD:** No data available

**ADDITIONAL DATA:** May cause an allergic skin reaction.

**RTECS:** UD3940000

## **12. ECOLOGICAL INFORMATION**

### **DANGEROUS TO AQUATIC LIFE IN HIGH CONCENTRATIONS:**

May be dangerous if it enters water intakes.  
Notify local health and pollution control officials.  
Notify operators of nearby water intakes.

#### **12.1 AQUATIC TOXICITY:**

Toxicity to fish

LC50 – No data available

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) – 1.1 mg/l - 48 h Immobilization

Toxicity to algae:

No data available

**12.2 PERSISTENCE AND DEGRADABILITY:** No data available

**12.3 BIOACCUMULATIVE POTENTIAL:** log Pow 4.52

**Biological Oxygen Demand (BOD):** No data available

**12.4 MOBILITY IN SOIL:** No data available

**12.5 RESULTS OF PBT AND vPvB :**

PBT assessment results: This substance is not classified as PBT or vPvB.

**12.6 OTHER ADVERSE EFFECTS:** Toxic to aquatic life with long lasting effects.

## **13. DISPOSAL CONSIDERATIONS**

**13.1 WASTE TREATMENT METHODS:** Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly it is the responsibility of the user to determine the proper storage, transportation, treatment and or disposal methodologies for spent materials and residues at time

of disposition. Dispose in accordance with all applicable disposal regulations. Incinerate under controlled conditions in a permitted facility.

**CONTAMINATED PACKAGING: Dispose of as unused product**

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

**14. TRANSPORT INFORMATION**

**Land Transport (DOT)**

**14.1 USDOT ID Number-----> 3082**

**14.2 USDOT Shipping Name-----> Environmentally Hazardous Substance,  
Liquid, N.O.S. (Isobornyl Acrylate  
stabilized)**

**14.3 USDOT Hazard Classification-----> 9**

**USDOT Label Codes-----> N/A**

**14.4 USDOT Package Code-----> III**

**14.5 Marine Pollutant-----> Yes**

**14.6 Special precautions for user-----> Classification Category: Chronic 1**

NOTE: This material need not be classified as an environmentally hazardous substance when shipped in non-bulk packagings when transported wholly in the U.S. only by motor vehicles, rail cars, or aircraft.

Non-bulk packaging means a packaging which has: (1) A maximum capacity of 450 L (119 gallons) or less as a receptacle for a liquid; (2) A maximum net mass of 400 kg (882 pounds) or less and a maximum capacity of 450 L (119 gallons) or less as a receptacle for a solid; or (3) A water capacity of 454 kg (1000 pounds) or less as a receptacle for a gas.

For Class 9, a CLASS 9 placard is not required for domestic transportation, including that portion of international transportation which occurs within the U.S. However, bulk packaging must be marked with the appropriate identification number on a CLASS 9 placard, an orange panel, or a white square-on-point display configuration.

**Sea Transport (IMDG)**

**14.1 UN Number:-----> UN3082**

**14.2 Proper Shipping Name-----> ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.  
(ISOBORNYL ACRYLATE STABILIZED)**

**14.3 Hazard Class:-----> 9**

**USDOT Label Codes-----> N/A**

**14.4 Packing Group:-----> III**

**14.5 Marine Pollutant-----> Yes**

**EMS Number-----> F-A, S-F**

**14.6 Special precautions for user-----> Classification Category: Chronic 1**

**Air Transport (IATA)**

**14.1 UN Number:-----> UN 3082**

**14.2 Proper Shipping Name:-----> Environmentally Hazardous Substance,  
Liquid, n.o.s. (Isobornyl Acrylate Stabilized)**

**14.3 Hazard Class:-----> 9**

**USDOT Label Codes-----> N/A**

**14.4 Packing Group:-----> III**

14.5 Marine Pollutant-----> Yes

14.6 Special Precautions for user-----> Classification Category: Chronic 1

Further information:

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings  
And combination packagings containing inner packagings with Dangerous  
Goods >5L for liquids or >5kg for solids.

## 15. REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

SARA TITLE III (Superfund Amendment and Reauthorization Act)

SECTION 302 AND 304: Extremely Hazardous Substance List (40 CFR 355) - Not  
Listed

SECTION 313: Toxic Chemicals Listing (40 CFR 372.65) - Not Listed

SECTION 311/312: Hazard Categorization (40 CFR 370) - Acute Health Hazard

CERCLA (Comprehensive Environmental Response, Compensation, and Liability  
Act)

SECTION 102(A) Hazardous Substances (40 CFR 302.4) - Not Listed

Reportable Quantity: None

SECTION 101(14) Reportable Quantity: None

Massachusetts Right to Know Components

Mequinol CAS-No.150-76-5

Pennsylvania Right to Know Components

Exo-1, 7, 7-trimethylbicyclo (2.2.1) hept-2-yl acrylate CAS 5888-33-5

Mequinol CAS-No.150-76-5

New Jersey Right to Know Components

Exo-1, 7, 7-trimethylbicyclo (2.2.1) hept-2-yl acrylate CAS 5888-33-5

Mequinol CAS-No.150-76-5

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.

TSCA (Toxic Substance Control Act)

Isobornyl Acrylate CAS 5888-33-5 is listed on the TSCA Inventory.

Isobornyl Acrylate FDA Indirect Food Contact Approvals:

None listed

International Inventories:

<u>Country or Region</u>	<u>Inventory Name</u>	<u>On inventory yes/no</u>
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<u><b>Australia</b></u>	Australian Inventory of Chemical Substances	Yes
<u><b>Canada</b></u>	Domestic Substances List (DSL)	Yes
<u><b>Canada</b></u>	Non-Domestic Substances List (NDSL)	No
<u><b>China</b></u>	Inventory of Existing Chemical Substances in China (IECSC)	Yes
<u><b>Europe</b></u>	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
<u><b>Europe</b></u>	European List of Notified Chemical Substances (ELINCS)	No
<u><b>Japan</b></u>	Inventory of Existing and New Chemical Substances (ENCS)	Yes
<u><b>Japan</b></u>	Industrial Safety & Health Law Inventory (ISHL)	Yes
<u><b>Korea</b></u>	Existing Chemicals List (ECL)	Yes
<u><b>Mexico</b></u>	National Inventory of Chemical Substances (INSQ)	Yes
<u><b>New Zealand</b></u>	New Zealand Inventory	Yes
<u><b>Philippines</b></u>	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
<u><b>Switzerland</b></u>	Inventory of Notified New Substances (CHINV)	Yes
<u><b>Taiwan</b></u>	National Existing Chemical Inventory (NECI)	Yes
<u><b>United States &amp; Puerto Rico</b></u>	Toxic Substances Control Act Inventory	Yes

**15.2 CHEMICAL SAFETY ASSESSMENT: A chemical safety assessment has been carried out for this substance.**

## **16. OTHER INFORMATION:**

**HMIS** (Hazardous Materials Identification System)

**Hazard Rating:**

**4-Extreme**

**3-High**

**2-Moderate**

**1-Slight**

**0-Insignificant**

**NFPA RATINGS (SCALE 0-4): Health=2 Fire=1 Reactivity=0**  
**HMIS RATINGS (SCALE 0-4): Health=2 Fire=1 Reactivity=0 PPE=H**

**Hazard statement(s) from Section 2 and 3:**

**H315 Causes skin irritation.**

**H319 Causes serious eye irritation.**

**H335 May cause respiratory irritation.**

**H401 Toxic to aquatic life.**

**H411 Toxic to aquatic life with long lasting effects.**

**Date of preparation-> October 1, 2017**

**Revision Number----> 1.2**

**Revision Content----> Updated Section 14**

**Revision Date-----> April 28, 2023**

**Prepared by-----> T.G.Fenstermaker, Jr.**

Acronyms:

ACGIH - American Conference of Governmental Industrial Hygienists

AIHA - American Industrial Hygiene Association

ANSI	-	American Nation Standards Institute
API	-	American Petroleum Institute
CERCLA	-	Comprehensive Emergency Response, Compensation, and Liability Act
DOT	-	U.S. Department of Transportation
EPA	-	U.S. Environmental Protection Agency
HMIS	-	Hazardous Materials Information System
IARC	-	International Agency For Research On Cancer
MSHA	-	Mine Safety and Health Administration
NFPA	-	National Fire Protection Association
NIOSH	-	National Institute of Occupational Safety and Health
NOIC	-	Notice of Intended Change (Proposed change to ACGIH TLV)
NTP	-	National Toxicology Program
OPA	-	Oil Pollution Act of 1990
OSHA	-	U.S. Occupational Safety & Health Administration
PEL	-	Permissible Exposure Limit (OSHA)
RCRA	-	Resource Conservation and Recovery Act
REL	-	Recommended Exposure Limit (NIOSH)
SARA	-	Superfund Amendments and Reauthorization Act of 1986 Title III
SCBA	-	Self-Contained Breathing Apparatus
STEL	-	Short-Term Exposure Limit (generally 15 minutes)
TLV	-	Threshold Limit Value
TSCA	-	Toxic Substances Control Act
TWA	-	Time Weighted Average (8hr.)
WHMIS	-	Canadian Workplace Hazardous Materials Information System

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