

# Material Safety Data Sheet

Complies with EC no. 1907/2006  
Issue Date:11/15/2013

## Section 1: Chemical Product and Company Identification

Cat#: 02038

Part Name: SEC-BUTYL ACRYLATE

Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976 USA  
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

## Section 2: Hazards Identification

### Hazard Overview

Flammable liquid and vapor.

May cause skin, eye and respiratory tract irritation.

### GHS Classification

Flammable Liquids Category 3

Skin Irritant Cat 2, Acute Inhalation Cat 4, Eye Irritation Cat 2B

Signal word: Danger



### Hazard and Precautionary Statements

- H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P280A Wear protective gloves  
P301A IF SWALLOWED do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.  
P301C IF SWALLOWED, induce vomiting as directed by medical personnel.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305B IF IN EYES, Separate eyelids with finger tips.  
P315 Get immediate medical advice/attention.  
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P351 Rinse cautiously with water for several minutes.  
P361 Remove/Take off immediately all contaminated clothing.

### NFPA Rating

#### Hazard Ratings:

These ratings are Polysciences' Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
2	2	2

## Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	EINECS	CAS#	% in product
1	sec-Butyl acrylate	221-072-1	0002998085	95-100

## Section 4: First Aid Measures

Contact medical personnel immediately.

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

If swallowed, give 8 oz. of water or milk to drink. Never give anything by mouth to an unconscious person.

Remove contaminated clothing.

Remove to fresh air.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

## Section 5: Fire Fighting Measures

Flash point, deg F.: 102F

Method: no data

UEL: 9.9%

LEL: 1.5%

Autoignition temperature, deg. F.: no data

Flammability Classification: no data

Flame Propagation Rate: no data

Hazardous Combustion Products: oxides of carbon

## Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.

Contain spilled liquids.

Use appropriate personal protective equipment.

Ventilate the area.

## Section 7: Handling and Storage

Keep away from heat, sparks, and flame.

Store at room temp

Store in a tightly closed container.

## Section 8: Exposure Controls/ Personal Protection

### OSHA (ACGIH) Exposure Limits

CAS#:	0002998085	IDLH: NE	TWA		STEL		CEILING	
			ppm	mg/	ppm	mg/m3	ppm	mg/m3
OSHA		NE	NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE	NE

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product.

Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

## Section 9: Physical and Chemical Properties

Formula:	C7H12O2	vapor pressure:	6.9 mmHg
Formula Weight:	128.17	vapor density:	4.42
boiling point:	145C	Specific gravity:	0.8898
melting point:	no data	ph:	no data
solubility:	slight	appearance:	liquid

## Section 10: Stability and Reactivity

Chemical Stability: no data

Conditions to Avoid: heat

Incompatibility with other materials: oxidizing and reducing agents

Hazardous Decomposition Products: oxides of carbon

Hazardous Polymerization: may occur with heat, loss of inhibitor

## Section 11: Toxicological Information

Acute Data: LD50 oral (rat) - 3730 mg/kg

Subchronic data: no data

## Section 12: Ecological Information

no data

## Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
0002998085	not listed	not listed

## Section 14: Transportation Data

Proper Shipping Name	Flammable liquid
Chemical Name	sec-Butyl Acrylate
UN	UN1993
Class	3
PG	III

## Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
0002998085	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	
0002998085	not listed

### SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
0002998085	not listed	not listed	not listed

### SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-RQ(pounds)
0002998085	not listed	not listed	not listed

### CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ (pounds)
0002998085	Not listed	Not listed

## Section 16: Other Information

POLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS