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Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108





### 1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Code: 13623

Product Name: Topiramate

**Synonyms:** 2,3:4,5-bis-O-(1-methylethylidene)-.beta.-D-fructopyranose 1-sulfamate; Epitomax; McN 4853;

RWJ 17021; TPM; Topamax®;

**Intended Use:** For research use only, not for human or veterinary use.

**Manufacturer Information** 

Company Name: Cayman Chemical Company

Emergency Contact:CHEMTREC Within USA and Canada:+1 (800)424-9300Alternate Emergency Contact:CHEMTREC Outside USA and Canada:+1 (703)527-3887

**Information:** Cayman Chemical Company +1 (734)971-3335

Web site address: www.caymanchem.com

2.	Hazards	Identification

Z. Hazardo Idontinoation						
GHS Classification	Placard	Key word	GHS Hazard			
Skin Corrosion/Irritation, Category 2	Exclamation Warning Causes skin irritation		Causes skin irritation			
	point					
Serious Eye Damage/Eye Irritation, Category	Exclamation	Warning	Causes serious eye irritation			
2A	point					
Target Organ Systemic Toxicity (single	Exclamation	Warning	May cause respiratory irritation,or may cause drowsiness			
exposure), Category 3	point		and dizziness			
Toxic To Reproduction, Category 2	Health hazard	Warning	Suspected of damaging fertility or the unborn child			

GHS Hazard Phrases: H315: Causes skin irritation.

H319: Causes serious eye irritation H335: May cause respiratory irritation.

H361: Suspected of damaging fertility or the unborn child.

GHS Precaution Phrases: P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/clothing and eye/face protection as specified by the

manufacturer/supplier or the competent authority.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P281: Use personal protective equipment as required.

GHS Response Phrases: P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs, get medical advice/attention. P362: Take off contaminated clothing and wash before re-use.

 $P305 + 351 + 338: IF\ IN\ EYES: Rinse\ cautiously\ with\ water\ for\ several\ minutes.\ Remove\ contact$ 

lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists, get medical advice/attention.

P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable

for breathing.

P308+313: IF exposed or concerned: Get medical attention/advice.



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**GHS Storage and Disposal Phrases:** Please refer to Section 7 for Storage and Section 13 for Disposal information.

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection

Potential Health Effects (Acute and Chronic): Causes serious eye irritation.

Causes skin or respiratory irritation.

Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

Suspected of damaging the unborn child.

Target Organs: No data available.

LD 50 / LC 50: Please refer to Section 11.

Signs and Symptoms Of Exposure: To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Medical Conditions Generally Aggravated By No data available.

Exposure:

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS#	Concentration	EC#	Risk Phrases	RTECS #
1. Topiramate	97240-79-4	100.0 %	619-263-3	R36/37/38-63	LS7083000

### 4. First Aid Measures

**Emergency and First Aid Procedures:** 

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 20 minutes. Remove

contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes

examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an

unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by

medical personnel.

Indication of any immediate medical

attention and special treatment needed:

No data available.

### 5. Fire Fighting Measures

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Flammable Properties and Hazards: No data available.

Flash Pt: No data.

Autoignition Pt: No data available.

Explosive Limits: LEL: No data. UEL: No data.

Hazardous Combustion Products: No data available.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or

equivalent), and full protective gear to prevent contact with skin and eyes.

### Accidental Release Measures

**Protective Precautions, Protective**Avoid raising and breathing dust, and provide adequate ventilation.

Equipment and Emergency Procedures: As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,

and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

**Environmental Precautions:** Take steps to avoid release into the environment, if safe to do so.



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Steps To Be Taken In Case Material Is Contain spill and collect, as appropriate.

Released Or Spilled: Transfer to a chemical waste container for disposal in accordance with local regulations.

7. Handling and Storage

**Precautions To Be Taken in Handling:** Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid prolonged or repeated exposure.

**Precautions To Be Taken in Storing:** Keep container tightly closed.

Store in accordance with information listed on the product insert.

**Hazard Label Information:** Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.

Wash thoroughly after handling.

### 8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS#	OSHA PEL	ACGIH TLV	Other Limits
1. Topiramate	97240-79-4	No data.	No data.	No data.
Hazardous Components (Chemical Name)	CAS#	Britain EH40	France VL	Europe
1. Topiramate	97240-79-4	No data.	No data.	No data.

Protective Equipment Summary - Hazard Compatib

**Label Information:** 

Compatible chemical-resistant gloves Eye wash station in work area Lab coat Safety

glasses Safety shower in work area Vent Hood

**Engineering Controls (Ventilation etc.):**Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

levels below recommended exposure limits.

**Eye Protection:** Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment (Specify Type): NIOSH approved respirator, as conditions warrant.

Work/Hygienic/Maintenance Practices: Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a

safety shower.

Wash thoroughly after handling.

**Environmental Exposure Controls:** No data available.

## 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical States: [ ] Gas [ ] Liquid [ X ] Solid

Appearance and Odor: A crystalline solid

**Melting Point:** No data. **Boiling Point:** No data. Flash Pt: No data. **Evaporation Rate:** No data. Vapor Pressure (vs. Air or mm Hg): No data. Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = 1): No data. Solubility in Water: No data.

**Solubility Notes:** ~0.15 mg/ml in PBS (pH 7.2); ~20 mg/ml in EtOH; ~25 mg/ml in DMF; ~15 mg/ml in DMSO;

Autoignition Pt: No data.

Explosive Properties: No data available.

Oxidizing Properties: No data available.



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Other Information							
Percent Volatile:	No data.						
Formula:							
	C12H21NO8S						
Molecular Weight:	339.40						
	10. Stabil	lity and Re	eactivity				
Reactivity:	No data available	e.					
Stability:	Unstable [ ]	Stable [ X ]					
Stability Note(s):	No data available	e.					
Conditions To Avoid:	No data available	e.					
Polymerization:	Will occur [ ]	Will not occur	r [ X ]				
Incompatibility - Materials To Avoid:	strong oxidizing	agents					
Hazardous Decomposition Or Byproducts:	carbon dioxide						
	carbon monoxide	e					
	nitrogen oxides sulfur oxides						
	11. Toxico	logical Inf	ormation				
Toxicological Information:	The toxicologica	l effects of this p	roduct have not bee	en thoroughly studied.			
	Toniramata Tox	vicity Data: Intra	peritoneal LD50 (ra	ot): >1 500 mg/kg:			
Chronic Toxicological Effects:					n is presented here		
Cilionic Toxicological Effects.	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.						
	Topiramate RTECS Number: LS7083000						
Hazardous Components (Chemical Name)	CAS#	NTP	IARC	ACGIH	OSHA		
1. Topiramate	97240-79-4	n.a.	n.a.	n.a.	n.a.		
12. Ecological Information							
General Ecological Information:	Avoid release int	to the environme	nt.				
Runoff from fire control or dilution water may cause pollution.							
	13. Dispos	sal Consid	lerations				
Waste Disposal Method:	Dispose in accord	dance with local,	state, and federal r	egulations.			
	14. Trans	sport Infor	mation				
Globally Harmonized System of Classificatio	n and Labelling						
Skin Corrosion/Irritation, Category 2 - Warn	C						
Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation  Target Organ Systemic Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness					and dizziness		
Toxic To Reproduction, Category 2 - Warnin				,			
LAND TRANSPORT (US DOT)							
DOT Proper Shipping Name	Not dangerous go	oods.					

Not dangerous goods.

Not dangerous goods.

Transport in accordance with local, state, and federal regulations.

LAND TRANSPORT (European ADR/RID)

ADR/RID Shipping Name

AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name

**Additional Transport Information:** 



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### 15. Regulatory Information

**European Community Hazard Symbol codes** Xn: Harmful; Reproductive Hazard: 3

#### **European Community Risk and Safety Phrases**

R36/37/38 - Irritating to eyes, respiratory system and skin.

R63 - Possible risk of harm to the unborn child.

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

#### **US EPA SARA Title III**

Hazardous Components (Chemical Name)	CAS#	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Topiramate	97240-79-4	No	No	No	No

#### Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS#	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Topiramate	97240-79-4	No	No	No	No

**Regulatory Information Statement:** 

This SDS was prepared in accordance with 29 CFR 1910.1200, Regulation (EC) No.1272/2008, and European Directive 67/548/EEC as amended.

### 16. Other Information

**Revision Date:** 03/25/2013

#### **Company Policy or Disclaimer**

For research use only, not for human or veterinary use.

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

N.A.=Not available, N.P.=Not applicable, N.D.=Not determined, N.E.=Not established, N.R.=Not required