

Camostat (mesylate)

Page: 1 of 5

Revision: 04/29/2019 Supersedes Revision: 01/20/2015

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015

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

1.1 Product Code: 16018

Product Name: Camostat (mesylate)

Synonyms: 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-benzeneacetic acid, 2-(dimethylamino)-2-oxoethyl

ester, monomethanesulfonate; Foipan; FOY 305;

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

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

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3

Aquatic Toxicity (Acute), Category 1

2.2 Label Elements:





GHS Signal Word: Warning

GHS Hazard Phrases:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

GHS Precaution Phrases:

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

P264: Wash {hands} thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:

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

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

P305+351+338: 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.

P332+313: If skin irritation occurs, get medical advice/attention.

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



Camostat (mesylate)

Revision: 04/29/2019

Page: 2 of 5

Supersedes Revision: 01/20/2015

P362+364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 **Adverse Human Health** Causes serious eye irritation.

> **Effects and Symptoms:** Causes skin irritation.

> > Material may be irritating to the mucous membranes and upper respiratory tract.

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

May cause respiratory irritation.

Very toxic to aquatic life.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

CAS#/ RTECS#	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
59721-29-8 CY1571620	Camostat Mesylate	100.0 %	694-565-6 NA	Skin Corr. 2: H315 Eye Damage 2A: H319 STOT (SE) 3: H335 Aquatic (A) 1: H400

Section 4. First Aid Measures

4.1 **Description of First Aid**

Measures:

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 15 minutes. Remove contaminated

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

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined In Case of Eye Contact:

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.

Section 5. Fire Fighting Measures

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

Media: Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and No data available.

Hazards:

No data available.

Flash Pt: No data.

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

Autoignition Pt: No data.

5.3 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.

Camostat (mesylate)

Revision: 04/29/2019

Page: 3 of 5

Supersedes Revision: 01/20/2015

Section 6. Accidental Release Measures

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

Protective Equipment and 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). **Emergency Procedures:**

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

Precautions:

6.3 Methods and Material For Contain spill and collect, as appropriate.

Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.

Up:

Section 7. Handling and Storage

7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

in Handling: Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken Keep container tightly closed.

> Store in accordance with information listed on the product insert. in Storing:

Section 8. Exposure Controls/Personal Protection

8.1 **Exposure Parameters:**

8.2 **Exposure Controls:**

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

(Ventilation etc.): levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.

Wash thoroughly after handling.

No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

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

Appearance and Odor: A crystalline solid

pH: No data. **Melting Point:** No data. **Boiling Point:** No data. Flash Pt: No data. **Evaporation Rate:** No data.

No data available. Flammability (solid, gas):

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

Vapor Pressure (vs. Air or mm No data.

Hg):

Vapor Density (vs. Air = 1): No data.

Page: 4 of 5

Camostat (mesylate)

Revision: 04/29/2019

Supersedes Revision: 01/20/2015

Specific Gravity (Water = 1): No data. Solubility in Water: No data.

Solubility Notes: ~25 mg/ml in DMSO & DMF;

Octanol/Water Partition No data.

Coefficient:

Autoignition Pt: No data. **Decomposition Temperature:** No data. No data. Viscosity:

9.2 Other Information

> Percent Volatile: No data.

Molecular Formula & Weight: C20H22N4O5 • CH3SO3H 494.5

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [] Stable [X]

10.3 Stable if stored in accordance with information listed on the product insert. Stability Note(s):

Polymerization: Will not occur [X] Will occur []

10.4 **Conditions To Avoid:** No data available.

10.5 Incompatibility - Materials strong oxidizing agents

To Avoid:

10.6 Hazardous carbon dioxide carbon monoxide **Decomposition or**

nitrogen oxides **Byproducts:** sulfur oxides

Section 11. Toxicological Information

11.1 Information on The toxicological effects of this product have not been thoroughly studied.

Camostat (mesylate) - Toxicity Data: Oral LD50 (rat): 3 g/kg; Subcutaneous LD50 (rat): 1320 **Toxicological Effects:**

mg/kg; Oral LD50 (mouse): 3 g/kg; Subcutaneous LD50 (mouse): 1400 mg/kg;

Chronic Toxicological Camostat (mesylate) - Investigated as a drug.

Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. Effects:

> See actual entry in RTECS for complete information. Camostat (mesylate) RTECS Number: CY1571620

CAS#	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
59721-29-8	Camostat Mesylate	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 Persistence and No data available.

Degradability:

12.3 **Bioaccumulative** No data available.

Potential:

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB No data available.

assessment:

12.6 Other adverse effects: No data available.

Camostat (mesylate)

Revision: 04/29/2019

Page: 5 of 5

Supersedes Revision: 01/20/2015

Section 13. Disposal Considerations

Dispose in accordance with local, state, and federal regulations. 13.1 Waste Disposal Method:

Section 14. Transport Information

LAND TRANSPORT (US DOT): 14.1

DOT Proper Shipping Name:

Not dangerous goods.

DOT Hazard Class: UN/NA Number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:

Not dangerous goods.

UN Number: Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Not dangerous goods.

Additional Transport

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

Information:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS#	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
59721-29-8	Camostat Mesylate	No	No	No	
CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists			
59721-29-8	Camostat Mesylate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			

This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) **Regulatory Information**

No.1272/2008. Statement:

Section 16. Other Information

04/29/2019 **Revision Date:**

Additional Information About

No data available.

This Product:

Company Policy or Disclaimer:

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.