

Material Safety Data Sheet

Material Name: Anestafoam

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Collegium Pharmaceutical
400 Highland Corporate Drive
Cumberland, RI 02864

Emergency Phone: 1-888-713-8154

*** Section 2 - Hazards Identification ***

Emergency Overview

The product may cause allergic or sensitivity reaction for individuals sensitive to one or more of the components.

Potential Health Effects: Eyes

May cause irritation and stinging or burning.

Potential Health Effects: Skin

Allergic or sensitivity reactions are possible, causing irritation or redness.

Potential Health Effects: Ingestion

Not a likely route of entry. If swallowed may cause gastrointestinal discomfort.

Potential Health Effects: Inhalation

May cause respiratory irritation in some sensitive individuals.

HMIS Ratings: Health: 0 Fire: 1 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
9005-65-6	Polysorbate 80
7732-18-5	Water
110-27-0	Isopropyl myristate
57-55-6	1,2-Propylene glycol
811-97-2	1,1,1,2-Tetrafluoroethane
137-58-6	Lidocaine
100-51-6	Benzyl alcohol
8001-54-5	Benzalkonium Chloride

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Remove contact lenses. Immediately flush eyes with water for at least 15 minutes, while holding eyelids open.
Seek medical attention at once.

First Aid: Skin

Immediately take off all contaminated clothing. Physically remove as much of product as possible and thoroughly wash the area with soap and water. If irritation persists, get medical attention.

First Aid: Ingestion

Do not induce vomiting unless directed to do so by medical personnel. A physician, emergency room or poison control center should be called anytime the product is ingested.

First Aid: Inhalation

None necessary.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.
None identified.

Hazardous Combustion Products

Burning may produce toxic gases.

Extinguishing Media

Use any media suitable for the surrounding fires.

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Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Scoop material and place in a suitable container for disposal. Use soap and water to clean spill area.

Evacuation Procedures

None necessary.

Special Procedures

Wear appropriate personal protective equipment.

*** Section 7 - Handling and Storage ***

Handling Procedures

Wash hands thoroughly after handling.

Storage Procedures

Controlled room temperature (68-77°F). Protect from freezing. Do not expose to temperatures above 120°F (49°C)

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Wear chemical resistant gloves and other protective clothing (lab coat, apron, etc.) when cleaning a large spill.

Personal Protective Equipment: Respiratory

Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

None.

*** Section 9 - Physical & Chemical Properties ***

Appearance: White to off-white foam

Physical State: Foam

Vapor Pressure: ND

Boiling Point: N/A

Solubility (H₂O): ND

Evaporation Rate: ND

Octanol/H₂O Coeff.: ND

Flash Point Method: ND

Lower Flammability Limit (LFL): ND

Auto Ignition: ND

Odor: Typical Aromatic odor

pH: 8-10

Vapor Density: ND

Melting Point: N/A

Specific Gravity: ND

VOC: ND

Flash Point: ND

Upper Flammability Limit (UFL): ND

Burning Rate: ND

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*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Excessive heat.

Incompatibility

None known

Hazardous Decomposition

Burning may produce toxic gases.

Possibility of Hazardous Reactions

None identified.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

None identified.

B: Component Analysis - LD₅₀/LC₅₀

Polysorbate 80 (9005-65-6)

Oral LD₅₀ Rat: 34500 µL/kg

Water (7732-18-5)

Oral LD₅₀ Rat: >90 mL/kg

Isopropyl myristate (110-27-0)

Oral LD₅₀ Rat: >10000 mg/kg; Dermal LD₅₀ Rabbit:>5000 mg/kg; Inhalation LC₅₀ Rat:>41 mg/L/

1,2-Propylene glycol (57-55-6)

Oral LD₅₀ Rat: 20000 mg/kg; Dermal LD₅₀ Rabbit:20800 mg/kg

1,1,1,2-Tetrafluoroethane (811-97-2)

Inhalation LC₅₀ Rat: 1500 g/m³/4H

Lidocaine (137-58-6)

Oral LD₅₀ Rat: 317 mg/kg

Benzyl alcohol (100-51-6)

Inhalation LC₅₀ Rat: 8.8 mg/L/4H; Oral LD₅₀ Rat:1230 mg/kg; Dermal LD₅₀ Rabbit:2000 mg/kg

Benzalkonium Chloride (8001-54-5)

Oral LD₅₀ Rat: 240 mg/kg

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Isopropyl myristate (110-27-0)

Test & Species

96 Hr LC₅₀ Brachydanio rerio

8400 mg/L [semi-static]

Conditions

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72 Hr EC ₅₀ Scenedesmus subspicatus	>100 mg/L
48 Hr EC ₅₀ Daphnia magna	100 mg/L

1,2-Propylene glycol (57-55-6)

Test & Species	Conditions
96 Hr LC ₅₀ Oncorhynchus mykiss	51600 mg/L [static]
96 Hr LC ₅₀ Pimephales promelas	51400 mg/L [static]
96 Hr EC ₅₀ Selenastrum capricornutum	19000 mg/L
30 min EC ₅₀ Photobacterium phosphoreum	710 mg/L
48 Hr EC ₅₀ water flea	>10000 mg/L

Benzyl alcohol (100-51-6)

Test & Species	Conditions
96 Hr LC ₅₀ Pimephales promelas	460 mg/L [static]
96 Hr LC ₅₀ Lepomis macrochirus	10 mg/L [static]
3 Hr EC ₅₀ Anabaena variabilis	35 mg/L
5 min EC ₅₀ Photobacterium phosphoreum	63.7 mg/L
15 min EC ₅₀ Photobacterium phosphoreum	63.7 mg/L
30 min EC ₅₀ Photobacterium phosphoreum	71.4 mg/L
5 min EC ₅₀ Photobacterium phosphoreum	50 mg/L
48 Hr EC ₅₀ water flea	23 mg/L

Benzalkonium Chloride (8001-54-5)

Test & Species	Conditions
24 Hr LC ₅₀ Morone saxatilis	1.5 mg/L [static] fingerling
15 min EC ₅₀ Photobacterium phosphoreum	0.6 mg/L 15 °C

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No information available for the product.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

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Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
1,2-Propylene glycol	57-55-6	No	No	Yes	No	Yes	Yes
1,1,1,2-Tetrafluoroethane	811-97-2	No	No	Yes	No	No	No
Benzyl alcohol	100-51-6	No	Yes	Yes	No	Yes	No

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA
Polysorbate 80	9005-65-6	Yes
Water	7732-18-5	Yes
Isopropyl myristate	110-27-0	Yes
1,2-Propylene glycol	57-55-6	Yes
1,1,1,2-Tetrafluoroethane	811-97-2	Yes
Lidocaine	137-58-6	Yes
Benzyl alcohol	100-51-6	Yes
Benzalkonium Chloride	8001-54-5	No

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry