



SAFETY DATA SHEET

U.S. Patent Number 8993641 B2 and Patent Pending

Product Name: Spectrastat™
Product Id Number: 69038
Revision Date: 01/12/2018

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Spectrastat™
Synonym(s): INCI: Caprylyl Glycol (and) Caprylhydroxamic Acid (and) Glycerin

Chemical Family / Use: For use in Cosmetic/Personal Care Products

Manufactured / Supplied by:

INOLEX, Inc.
2101 S Swanson Street
Philadelphia, PA 19148
215-271-0800 (Telephone)
215-271-2621 (Fax)

E-Mail Address: Cheminfo@inolex.com
For Emergency Information contact: Chemtrec - 1-800-424-9300
For Non-Emergency Information contact: 1-800-521-9891

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2
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2.2. Label elements



Signal word
Hazard statements

Precautionary Statements

Warning
H319 - Causes serious eye irritation

P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No other information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Caprylyl Glycol	1117-86-8	65-75
Caprylhydroxamic Acid	7377-03-9	10-20
Glycerin	56-81-5	10-20

*The exact percentage (concentration) of composition has been withheld as trade secret.

4. FIRST AID MEASURES

Ingestion:	If swallowed, observe victim for 24 hours; seek medical attention if indicated. If vomiting occurs spontaneously, keep head below hips to prevent aspiration
Skin:	For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and mild soap if available, for several minutes. Get medical attention if irritation occurs.
Inhalation:	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Notes to Physician:	Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE FIGHTING MEASURES

Flash Point:	138 C
Flammable Limits in Air - Upper (%):	Maximum % by volume of vapor in air above which propagation of flame does not occur on contact with a source of ignition: N/D
Sensitivity to Mechanical Impact (Y/N):	NO
Sensitivity to Static Discharge (Y/N):	Sensitivity to static discharge is not expected.
Extinguishing Media:	Water fog, carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire. Containers can build up pressure if exposed to heat (fire). Fire involving large amounts of material should not be approached because individual containers may rupture abruptly causing "fireball" effect.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled: Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper

protective equipment as specified in the protective equipment section. Large quantity spills should be contained and pumped into drums for recovery or disposal.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage: Keep container closed when not in use.

Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.

May solidify or precipitate. Gently heat to 35-45°C and mix until material is homogeneous.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: None required under normal conditions.

Personal Protection Equipment

Respiratory Protection:	None required under normal conditions.
Protective Gloves:	Use gloves as a standard industrial handling procedure.
Eye and Face Protection:	Wear safety glasses or goggles to protect against exposure.
Other Protective Equipment:	None required under normal operating conditions.

Ventilation: No unusual ventilation required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	< 25 C
Physical State:	Liquid, May Contain Crystals
Odor:	MILD CHARACTERISTIC ODOR
Color:	Pale to Yellow
Solubility in Water:	DISPERSIBLE
Viscosity:	71 cSt at 40 C

10. STABILITY AND REACTIVITY

Stability: Store indoors, below 30°C and away from sources of heat.

Hazardous Polymerization: Does not occur

Hazardous Thermal Decomposition / Combustion Products: Stable at recommended storage conditions, excessive heat may thermally decompose.

Incompatibility (Materials to Avoid): None known.

Conditions to Avoid: None known.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute Toxicity

Inhalation	Specific test data for the substance or mixture is not available.
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Eye contact Causes serious eye irritation.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Information on likely routes of exposure

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity Not mutagenic in AMES Test.

Carcinogenicity None known.

Reproductive toxicity None known.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Numerical measures of toxicity

Component Information Classification based on data available for ingredients

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Caprylhydroxamic Acid	> 10700 mg/kg (Rat)		
Glycerin	> 12,600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h

Component Tox Information

Caprylyl Glycol (1117-86-8)

Skin sensitization In anRIPT of 52 subjects, caprylyl glycol did not indicate a potential for dermal irritation and/or sensitization.

Caprylhydroxamic Acid (7377-03-9)

Skin sensitization In anRIPT of 52 subjects, caprylhydroxamic acid did not indicate a potential for dermal irritation and/or sensitization.

Serious eye damage/eye irritation Caprylhydroxamic acid is classified as non-irritating/minimally irritating in an EpiOcular MTT Viability Assa (non-animal). ET50 > 130.8 based on ocular toxicity or irritation potential of the test substance for MTT viability of EpiOcular samples.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data at this time.

Chemical Fate Information: Tested as readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Disposal Method: As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

14. TRANSPORT INFORMATION

Department of Transportation Information

Shipping Name: Not regulated as dangerous goods.
Hazard Class: Non-Regulated
Label(s): NONE
UN/NA Number: Not regulated as dangerous goods.
Placards: NONE

International Transportation Classifications

IATA Dangerous Goods Regulation (DGR) 59th Edition 2018 Non-Regulated
IMDG, International Maritime Dangerous Goods Non-Regulated as dangerous goods.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA This material is manufactured for use as an additive in personal care products and is regulated under the FOOD, DRUG, and COSMETICS ACT (FDA) and is therefore exempt from TSCA inventory listing requirements.

15.2. Chemical Safety Assessment

No information available

15.3. OTHER REGULATORY INFORMATION:

Please contact your INOLEX representative for region- or country-specific compliance.

16. OTHER INFORMATION

Issuing Date 05/26/2017
Revision Date 01/12/2018

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

*** END OF SDS ***