

Safety Data Sheet

Section 1: Product and Company Identification

1.1 Product Identifiers:

Product Names: Saxitoxin (PSP) Extraction Buffer for Shellfish

Product Codes: 520047, 300645

1.2 Identified Use: Extraction of Saxitoxin in samples. **Restrictions on Use:** For research use only.

1.3 Company: Eurofins Abraxis, 124 Railroad Drive, Warminster, PA 18974 USA, info.et.warminster@eurofinsus.com, +1(215) 357-3911, FAX +1(215) 357-5232

1.4 Emergency Telephone Number: +1(215) 357-3911

Section 2: Hazard(s) Identification

2.1 Classification of the mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 2), H225 Highly flammable liquid and vapor

Eye irritation (Category 2A), H319 Causes serious eye irritation

HMIS Rating: Health hazard: 2, Chronic Health Hazard: *, Flammability: 3, Physical Hazard 0

NFPA Rating: Health hazard: 2, Fire Hazard: 3, Reactivity Hazard: 0

Classification of the substance:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A), H319 Causes serious eye irritation

HMIS Rating: Health hazard: 2, Chronic Health Hazard: *, Flammability: 0, Physical Hazard 0

NFPA Rating: Health hazard: 2, Fire Hazard: 0, Reactivity Hazard: 0

2.2 GHS Label elements, including precautionary statements:

Pictogram(s) (mixture)



Signal word: Danger

Hazard statement(s):

H225 Highly flammable liquid and vapor.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness

Precautionary statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to an approved waste disposal plant.

Pictogram(s) (substance)



Signal word: Danger

Hazard statement(s):

H319 Causes serious eye irritation.

Precautionary statement(s):

P233 Keep container tightly closed.

P264 Wash skin thoroughly after handling.

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7.2 Precautions for safe storage: Keep container(s) tightly closed in a dry, well-ventilated place. Protect from physical damage. Opened containers must be carefully resealed and kept upright to prevent leakage. See label or product insert for appropriate storage temperature and additional specific information. H Storage class (TRGS 510): Flammable liquids.

7.3 Specific end use(s): Other than use(s) specified in section 1, no other uses are stipulated.

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters:

Component(s) with workplace control parameters

Ethanol, CAS No. 67630

Value	Control parameters	Basis
TWA	400 ppm	USA. ACGIH Threshold Limit Values (TLV)

8.2 Exposure controls:

Appropriate engineering controls: Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Keep away from food and beverages.

Personal protective equipment

Eye protection: Make emergency eyewash stations available in area.

Skin protection: Wash and dry hands.

Respiratory protection: No respiratory protection equipment with adequate ventilation under normal conditions.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties of substance/mixture

Appearance: Liquid (PN001170)

Odor: No data available

Odor Threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: No data available

Water solubility: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: Not applicable

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

9.2 Other information: No data available

Section 10: Stability and Reactivity

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: Vapors may form explosive mixture with air (PN001170).

10.4 Conditions to avoid: Keep away from open flame, hot surfaces, heat sources, and sources of ignition (PN001170).

10.5 Incompatible materials: Alkali metals, oxidizing agents, peroxides

10.6 Hazardous decomposition products: No data available. In the event of fire: see section 5.

Section 11: Toxicological Information

11.1 Information on toxicological effects

To the best of our knowledge, the chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

Acute toxicity (Isopropanol, CAS No. 67630:

Inhalation LC50 Inhalation - Rat - 4 h - 17,000 mg/l

Ingestion LD50 Oral - Rat - 4,720 mg/kg

Skin contact LD50 Dermal - Rabbit - 12,890 mg/kg; Skin – Rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Eye contact Eyes – Rabbit Result: Moderate eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization No data available

Aspiration hazard No data available

Mutagenicity No data available

Carcinogenicity No

Teratogenicity: No data available

Reproductive/fertility toxicity No data available.

Specific target organ toxicity, single exposure No data available

Specific target organ toxicity, repeated exposure: No data available

Additional information N/A

Section 12: Ecological Information

12.1 Toxicity: (Ethanol, CAS No67630) Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9640 mg/l - 96 h; Toxicity to daphnia and other aquatic invertebrates LC50 - NOEC - *Daphnia magna* (Water flea) - 5102 mg/l – 24h; Toxicity to algae EC50 - *Chlorella vulgaris* (Fresh water algae) - >2000 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Product: All waste must be handled and disposed according to local, state, and federal regulations. Avoid disposing large volumes in sewer. (Ethanol, CAS No. 64-17-5): Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

Contaminated packaging: All waste must be handled and disposed according to local, state, and federal regulations. Refer to sections 7 and 8 for safe handling guidance.

Section 14: Transport Information

DOT, Land Transport ADR/RID (cross-border), Maritime Transport IMDG, Air Transport ICAO-TI and IATA-DGR

UN Number: 1219

UN Proper shipping name: Limited Quantity

Transport hazard class(es): 2

Packing group: II

Environmental hazard: See section 12

Bulk transport: Excepted/Limited quantity

Special considerations: See section 7 for handling

Section 15: Regulatory Information

EU Regulations, Hazard Symbol(s): Ethanol: F (Flammable)

Risk and Safety Phrases:

None

SARA Title III, Section 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III, Section 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: None

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other information

This information is based on our present knowledge. While Eurofins Abraxis believes that the data contained herein are factual and the opinions expressed represent a best effort to present accurate information, the data are not to be taken as a warranty or representation for which Eurofins Abraxis assumes legal responsibility. The information shall not be taken as being all-inclusive and is to be used only as a guide. The data are offered solely for the user's consideration, investigation, and verification. These suggestions should not be confused with either

state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, and local regulations.

All materials and mixtures may present unknown hazards and should be used with caution. Since Eurofins Abraxis cannot control the methods, volumes, or conditions of use of this product, Eurofins Abraxis shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material. This product is sold for research use only. It is not for any human or animal therapeutic or clinical diagnostic use.

Date this SDS is effective: 6 July 2021

Version: 03

Change from previous version: Product description has changed