



# Safety Data Sheet

## Section 1: Product and Company Identification

### 1.1 Product Identifiers:

**Product Names:** ABRAXIS® Dihydroanatoxin-a

**Product Codes:** 300655

**1.2 Identified Use:** Positive control for determination of Dihydroanatoxin-a in samples. **Restrictions on Use:** For research use only.

**1.2 Company:** Gold Standard Diagnostics, 795 Horsham Road, Horsham, PA 19044 USA, info.abraxis@us.goldstandarddiagnostics.com  
+1(215) 357-3911, FAX +1(215) 357-5232

**1.3 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)

### 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 ONFPA Rating: Health hazard: 2, Fire Hazard: 0, Reactivity Hazard: 0

### 2.2 GHS Label elements, including precautionary statements:

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.

P280 Wear protective gloves/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

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

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

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:** None known.

**2.4 Unknown acute toxicity:** None known.

## Section 3: Composition / Information on Ingredients

### 3.1 Substances

Name and Synonym(s): Dihydroanatoxin-a, cis- Formula: C<sub>10</sub>H<sub>17</sub>NO

Molecular weight: 167 g/mol CAS No.: N/A

Classification: Acute Toxicity 2, H300 + H310 + H330

Percentage in mixture: 0.0000001 % Hazardous component(s):

For full text of H-Statements mentioned in this Section, see Section 2.

## Section 4: First Aid Measures

**4.1 Description of first aid measures:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed:** No data available. Treat symptomatically.

## Section 5: Fire-fighting Measures

**5.1 Suitable extinguishing media:** N/A

**5.2 Special hazards arising from the substance or mixture:** N/A

5.3 Advice for firefighters: N/A

5.4 Further information: N/A

## Section 6: Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment (see section 8). Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

**6.2 Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up:** Contain spillage. Solids (if applicable): Pick up and arrange disposal without creating dust. Sweep up and shovel. Liquids (if applicable): Collect with an electrically protected vacuum cleaner or by wet-brushing. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections:** For information on safe handling see section 7. For information on personal protection see section 8. For information on disposal see section 13.

## Section 7: Handling and Storage

**7.1 Precautions for safe handling:** See section 2. Avoid inhalation of vapors or mist, and avoid contact with skin and eyes. Wear appropriate personal protective equipment. Use explosion-proof equipment. Keep away from sources of ignition. Do not eat, drink, or smoke in work area. Take measures to prevent the buildup of electrostatic charge.

**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.

**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**

N/A

### 8.2 Exposure controls:

**Appropriate engineering controls:** Face shield and safety glasses. 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:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Handle with chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** Use a chemical fume hood or approved respiratory protection equipment.

**Body protection:** Flame retardant antistatic, lightweight, protective clothing to prevent skin exposure.

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties of mixture

**Appearance:** Multiple

**Odor:** Characteristic

**Odor Threshold:** No data available

**pH:** Multiple

**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:** Various  
**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:** No data available  
**10.4 Conditions to avoid:** Keep away from open flame, hot surfaces, heat sources, and sources of ignition.  
**10.5 Incompatible materials:** Acid chlorides, acid anhydrides, strong oxidizing agents, alkali metals, reducing agents, acids, 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** (Methanol, CAS No. 67-56-1):

**Inhalation** LC50 Inhalation - Rat - 4 h - 128.2 mg/l; LC50 Inhalation - Rat - 6 h - 87.6 mg/l; LD50 Dermal - Rabbit - 17,100 mg/kg

**Ingestion** LDLO Oral - Human - 143 mg/kg (Lungs, Thorax, or Respiration:Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea); LD50 Oral - Rat - 1,187 - 2,769 mg/kg

**Skin contact** Rabbit skin—no irritation

**Eye contact** Rabbit eye—no irritation

**Respiratory or skin sensitization** Maximization Test (GPMT)(OECD Test Guideline 406)--Guinea pig--does not cause skin sensitization

**Aspiration hazard** No data available

**Mutagenicity** (Methanol, CAS No. 67-56-1): Ames test (*S. typhimurium*)--Result: negative; *in vitro* assay (fibroblasts)--Result: negative; *in vivo* mammalian bone-marrow cytogenetic test, chromosomal analysis (mouse, male and female)--Result: negative

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Teratogenicity:** No data available

**Reproductive/fertility toxicity:** Damage to fetus not classifiable

**Specific target organ toxicity, single exposure** (Methanol, CAS No. 67-56-1): Causes damage to organs

**Specific target organ toxicity, repeated exposure:** The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Additional information** (Methanol, CAS No. 67-56-1): RTECS: PC1400000 Effects due to ingestion may include headache, dizziness, drowsiness, metabolic acidosis, coma, seizures. Methanol may be fatal or cause blindness if swallowed. Stomach - Irregularities - Based on Human Evidence

## Section 12: Ecological Information

**12.1 Toxicity:** No data available

**12.2 Persistence and degradability:** Readily biodegradable

**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. Burn in a chemical incinerator equipped with an afterburner and scrubber.

**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

**UN Number:** Goods are not regulated for transport for IAPA

**UN Proper shipping name:** Not classified as dangerous in the meaning of transport regulations

**Transport hazard class(es):** No data available

**Packing group:** No data available

**Environmental hazard:** IMDG not a marine pollutant

**Bulk transport:** No data available

**Special considerations:** No data available

## Section 15: Regulatory Information

**EU Regulations, Hazard Symbol(s):** No data available

**Risk and Safety Phrases:**

No data available.

**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:** No data available

**State Right-to-Know**

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 Gold Standard Diagnostics 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 Gold Standard Diagnostics 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 Gold Standard Diagnostics cannot control the methods, volumes, or conditions of use of this product, Gold Standard Diagnostics 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:** 05/16/2024

**Version:** 01