

Doc No: 931-HK606 Rev: B Date of Release: 07-Oct-2016

## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

- a) GHS Product Identifier : eFISH DAPI
- b) Other means of identification : Not available
- c) Product code : HK606-01X, HK606-02X, HK606-10K, HK606-50K
- d) Recommended use of the chemical and restrictions on use : Restricted for professional users.
- e) Supplier's details (including name, address, phone number etc.) : BioGenex Laboratories, Inc  
49026 Millmont Drive  
Fremont, CA 94538
- f) Emergency phone number : BioGenex: (01) (510) 275-0550  
Chemtrec Assistance: (800) 424-9300 (U.S. and Canada only)  
(01) (703) 527-3887 (all other countries)

## 2. HAZARD IDENTIFICATION

- a) GHS classification of the substance/mixture and any national or regional information:

Not a hazardous substance or mixture

- b) GHS label elements, including precautionary statements :

**SIGNAL WORD** : No Signal Word

**Hazard statement(s)**

No known significant effects or critical hazards

**Precautionary statement(s)**

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable

- c) Other hazards which do not result in the classification or are not covered by the GHS: Restricted to professional users.

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

- a) Chemical identity : Mixture
- b) Common name, synonyms, etc : 2-(4-Amidinophenyl)-6-indolecarbamide dihydrochloride 4',  
6-Diamidino-2-phenylindole dihydrochloride,  
DAPI dihydrochloride

c) CAS number and other unique identifiers

Chemical Name	Synonyms	CAS No	EC - No
DAPI	DAPI dihydrochloride	28718-90-3	249-186-7

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. FIRST AID MEASURES

Get medical aid immediately.

**EYES:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do NOT allow victim to rub or keep eyes closed.

**SKIN:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**INGESTION:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Call a poison control center.

**INHALATION:** Move the victim to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively. No specific antidote exists.

## 5. FIRE-FIGHTING MEASURES

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**FIREFIGHTING MEASURES:** Firefighters should wear proper protective equipment and self-contained breathing apparatus (SCBA) with full facepiece operated in positive pressure mode. Move container from fire area if possible. Do not scatter spilled material with more water than needed for fire control. Dike fire control water for later disposal. Avoid breathing hazardous vapors; keep upwind

## 6. ACCIDENTAL RELEASE MEASURES

a) Personal precautions, protective equipment and emergency procedures:  
Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

Wear appropriate protective equipment as specified in Section 8.

b) Environmental precautions:  
Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

c) Methods and materials for containment and cleaning up.  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

- a) Precautions for safe handling:  
Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed..
- b) Conditions for safe storage, including any incompatibilities:  
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 2 - 8 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source..

### Personal Protective Equipment

**Eyes:** Wear safety goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** None required where adequate ventilation conditions exist. .

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- a. Appearance Liquid
- b. Odor Odorless
- c. Odor Threshold NDA
- d. pH NDA.
- e. Melting/Freezing Point (°C) NDA
- f. Boiling point (°C) NDA
- g. Flash Point (°C) NDA
- h. Evaporation Rate NDA
- i. Flammability NDA
- j. Upper/Lower Flammability or Explosive Limits :NDA
- k. Vapor Pressure NDA
- l. Vapor Density (Air = 1) NDA
- m. Relative Density NDA
- n. Water Solubility NDA

## 10. STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: NDA

HAZARDOUS POLYMERISATION : None

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

HAZARDOUS COMBUSITION PRODUCTS: Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas.

## 11. TOXICOLOGICAL INFORMATION

---

a) Information on the likely routes of exposure: None indicated

b) Symptoms related to the physical, chemical and toxicological characteristics:

INHALATION: No specific data.

INGESTION: No specific data.

SKIN CONTACT: No specific data.

EYE CONTACT: No specific data.

TARGET ORGANS: None identified

c) Delayed and immediate effects and also chronic effects from short and long term exposure

NDA

d) Numerical measures of toxicity (such as acute toxicity estimates)

Acute toxicity estimates : Not Available

## 12. ECOLOGICAL INFORMATION

---

Ecotoxicity (aquatic and terrestrial, where available): No data available.

b) Persistence and degradability : NDA

c) Bioaccumulative potential : NDA

d) Mobility in the soil : NDA.

e) Other adverse effects : No known significant effects or critical hazards.

## 13. DISPOSAL INFORMATION

---

Waste Treatment Methods

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product..

## 14. TRANSPORT INFORMATION

---

US DOT: Not regulated

IATA: Not regulated

IMDG: Not dangerous goods

## 15. REGULATORY INFORMATION

---

**SARA 304 RQ** : Not applicable.

**SARA 311/312 Classification** : Not applicable.

### International lists

**Australia** : Not determined

**Canada** : Not determined

**China** : All components are listed or exempted.

**Japan** : Not determined

**Republic of Korea** : Not determined

**Malaysia** : Not determined.

**New Zealand** : All components are listed or exempted.

**Philippines** : Not determined.

**Taiwan** : Not determined

## **16. Other information including information on preparation and revision of the SDS**

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

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

Key abbreviations:

N/A

: Not Applicable

NDA

: No data available

Notice to reader

Each BioGenex SDS was developed to be used only with the corresponding BioGenex product. The information above is believed to be accurate and represents the best information currently available. We make, however, 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. BioGenex SDS's are not for resale.