



# MATERIAL SAFETY DATA SHEET

**Product: 45-0137**

## **DHBA Internal Standard** (10 mL of 1.0 mg/mL)

**Product: 70-4830**

## **Kit Validation (Kit)**

**Product: 45-0139**

## **Catecholamine Standard Boxed**

DIONEX Corporation  
1228 Titan Way  
P.O. Box 3603  
Sunnyvale, California 94088-3603

Emergency Phone: 1-800-424-9300 (CHEMTREC)  
Information Phone: (408) 737-0700  
Date Prepared: 1/10/2011

The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

### **2. HAZARDOUS IDENTIFICATION**

HAZARD CLASS	Irritant		NFPA	HMIS
<b>Eyes:</b>	Irritant	<b>HEALTH</b>	2	2
<b>Skin:</b>	Irritant	<b>FLAMMABILITY</b>	0	0
<b>Ingestion:</b>	Irritant	<b>REACTIVITY</b>	0	0
<b>Inhalation:</b>	Irritant	<b>NFPA SPECIAL</b>	-	-
		<b>HMIS PPE</b>		

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENTS	Hydrochloric Acid	3-4-Dihydroxybenzylamine • hydrobromide
PERCENT (%)	1.0	< 1.0
CAS NO.	CAS # 7647-01-0	CAS # 16290-26-9
EINECS NO.	231-595-7	240-382-8
RISKS	R34, R37	R36/37/38
SAFETY	S26, S45	S26, S36



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## 4. FIRST AID MEASURES

**GENERAL:** Remove contaminated clothing, wash thoroughly before reuse.

**EYES:** Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.

**SKIN:** Remove contaminated clothing and flush with water thoroughly

**INHALATION:** Vapors may be irritating to respiratory system.

**INGESTION:** If large amounts are swallowed, get medical help immediately.

## 5. FIRE FIGHTING MEASURES

**UNUSUAL FIRE AND EXPLOSION:** Not Applicable

**HAZARDS:** Not Applicable

**EXTINGUISHING MEDIA:** Not combustible

**SPECIAL FIRE FIGHTING PROCEDURES:** Although the product is not combustible, firefighters subject to products of combustion should wear full-protective clothing including self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area.

Wear appropriate protective clothing and eye protection.

Contain spill. Neutralize with sodium bicarbonate, collect and store in a suitable waste container.

Wash contaminated areas with soap and water.

## 7. HANDLING AND STORAGE

Ensure good ventilation.

Have an eye wash in the immediate area in case of emergency.

Store at room temperature

Keep container tightly closed

Use good laboratory practice when working with any chemical whether it is considered hazardous or not.



# MATERIAL SAFETY DATA SHEET

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### ROUTES OF ENTRY

**INHALATION:** Yes

**SKIN:** Yes

**INGESTION:** Yes

### HEALTH HAZARDS

**ACUTE:** Vapors may be irritating to skin, eyes, nose and throat.

**CHRONIC:** Chronic irritation of exposed tissues.

### VENTILATION

**LOCAL EXHAUST:** Good laboratory ventilation is acceptable.

**MECHANICAL (GENERAL):** Use in hoods if possible

**SPECIAL:** None

**OTHER:** None

### PROTECTIVE CLOTHING OR EQUIPMENT

**GLOVES:** Disposable laboratory gloves are adequate

**EYE PROTECTION:** Glasses or goggles.

**RESPIRATORY:** None

**OTHER:** Lab coats

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear Liquid

**ODOR:** Acrid odor

**pH:** < 1.0

**MOLECULAR WEIGHT:** Not Determined (mixture)

**MELTING POINT:** Not Applicable (liquid)

**BOILING POINT:** 100 °C

**AUTOIGNITION TEMPERATURE:** Not Determined

**FLASH POINT:** Not Applicable

**LOWER EXPLOSION LIMIT:** Not Determined

**UPPER EXPLOSION LIMIT:** Not Determined

**SPECIFIC GRAVITY:** 1.0



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## 10. STABILITY & REACTIVITY

**STABILITY/CONDITIONS TO AVOID:** This is a stable chemical  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Not Determined  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Not Determined  
**HAZARDOUS POLYMERIZATION:** Not Applicable

## 11. TOXICOLOGY INFORMATION

### PRODUCT TOXICOLOGY INFORMATION:

**SYMPTOMS AND SIGNS OF EXPOSURE:** May cause minor soreness or redness of eyes or mucous membranes.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Unknown

**EMERGENCY AND FIRST AID PROCEDURES:** In case of contact, wash skin with copious amounts of water.  
Flush eyes with copious amounts of water for at least 15 minutes.  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
Submit to medical examination.

**CARCINOGENICITY:** Not Applicable

**RTECS #:** MW4025000 (hydrochloric acid)

**ACGIH TLV TWA:** No data found

**OSHA PEL:** 7 mg/m<sup>3</sup> Ceiling (as hydrochloric acid)

**NTP:** No data found

**IARC Monographs:** No data found

### HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

<b>Hazardous Components:</b>	<b>Hydrochloric Acid</b>
<b>RTECS #</b>	MW4025000
<b>OSHA PEL</b>	7 mg/m <sup>3</sup> Ceiling
<b>ACGIH TLV</b>	No Data
<b>TOXICITY DATA</b>	No Data



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## 12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this compound.

## 13. DISPOSAL CONSIDERATIONS

Contact local hazardous materials or chemical waste disposal agency for regulations.

## 14. TRANSPORT INFORMATION

### IATA CLASSIFICATION:

**UN ID NUMBER:** Not Regulated

**PROPER SHIPPING NAME:**

**CLASS OR DIVISION:**

**SUB RISK:**

**HAZARD LABEL(S):**

**PACKAGING GROUP:**

**LIMITED QUANTITY PKG INSTRUCTION:**

**MAXIMUM LIMITED QUANTITY:**

**SPECIAL PROVISIONS:**

**ERG CODE:**

## 15. REGULATORY INFORMATION

**PRODUCT RISK STATEMENTS:** R34, R37, R36/37/38

**PRODUCT SAFETY STATEMENTS:** S26, S36, S45

## 16. OTHER INFORMATION