

# Ibutilide Fumarate: sc-211627



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### Section 1 – Product and Company Identification

**Product Name:** Ibutilide Fumarate  
**Catalog Number:** sc-211627  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### Section 2 – Composition/Information on Ingredient

Substance Name	CAS #	SARA 313
IBUTILIDE HEMIFUMARATE SALT	122647-32-9	No

Formula C<sub>20</sub>H<sub>36</sub>N<sub>2</sub>O<sub>3</sub>S . 0.5C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

### Section 3 – Hazards Identification

#### EMERGENCY OVERVIEW

Harmful. Harmful if swallowed.

#### HMIS RATING

HEALTH:	1
FLAMMABILITY:	0
REACTIVITY:	0

#### NFPA RATING

HEALTH:	1
FLAMMABILITY:	0
REACTIVITY:	0

For additional information on toxicity, please refer to Section 11.

### Section 4 – First Aid Measures

#### ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

#### DERMAL EXPOSURE

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

#### EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### Section 5 – Fire Fighting Measures

#### FLASH POINT

N/A

#### AUTOIGNITION TEMP

N/A

**FLAMMABILITY**

N/A

**EXTINGUISHING MEDIA**

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**FIREFIGHTING**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

**Section 6 – Accidental Release Measures****PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL**

Evacuate area.

**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

**METHODS FOR CLEANING UP**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**Section 7 – Handling and Storage**

**HANDLING** User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**STORAGE** Suitable: Keep tightly closed.

**Section 8 – Exposure Controls / PPE****ENGINEERING CONTROLS**

Safety shower and eye bath. Mechanical exhaust required.

**PERSONAL PROTECTIVE EQUIPMENT**

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

**Hand:** Compatible chemical-resistant gloves.

**Eye:** Chemical safety goggles.

**GENERAL HYGIENE MEASURES**

Wash thoroughly after handling.

**Section 9 – Physical/Chemical Properties**

Appearance	Physical State:	Solid
Property	Value	At Temperature or Pressure
Molecular Weight	442.61 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	

Property	Value	At Temperature or Pressure
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	
N/A = not available		

## Section 10 – Stability and Reactivity

### STABILITY

**Stable:** Stable.

**Materials to Avoid:** Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

**Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

### HAZARDOUS POLYMERIZATION

**Hazardous Polymerization:** Will not occur

## Section 11 – Toxicological Information

### ROUTE OF EXPOSURE

**Skin Contact:** May cause skin irritation.

**Skin Absorption:** Harmful if absorbed through skin.

**Eye Contact:** May cause eye irritation.

**Inhalation:** Harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Ingestion:** Harmful if swallowed.

### SIGNS AND SYMPTOMS OF EXPOSURE

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

### IRRITATION DATA

Ocular

**Remarks:** Mild irritation effect

## Section 12 – Ecological Information

No data available.

## Section 13 – Disposal Considerations

### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

## Section 14 – Transport Information

### DOT

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

### IATA

**Non-Hazardous for Air Transport:** Non-hazardous for air transport.

## **Section 15 – Regulatory Information**

### **EU ADDITIONAL CLASSIFICATION**

**Symbol of Danger:** Xn

**Indication of Danger:** Harmful.

**R:** 22

**Risk Statements:** Also harmful if swallowed.

### **US CLASSIFICATION AND LABEL TEXT**

**Indication of Danger:** Harmful.

**Risk Statements:** Harmful if swallowed.

### **UNITED STATES REGULATORY INFORMATION**

**SARA LISTED:** No

### **CANADA REGULATORY INFORMATION**

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**DSL:** No

**NDSL:** No

## **Section 16 – Other Information**

### **DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

### **WARRANTY**

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

11/15/2010