

# N-Boc-2-bromopyrrole: sc-212149



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** N-Boc-2-bromopyrrole

**Product Number:** sc-212149

**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

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids (Category 2)

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Reproductive toxicity (Category 2)

Specific target organ toxicity - single exposure (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Specific target organ toxicity - repeated exposure, Inhalation (Category 2)

Aspiration hazard (Category 1)

Acute aquatic toxicity (Category 2)

Chronic aquatic toxicity (Category 2)

#### Target Organs

Peripheral nervous system, Kidney, Testes.

#### GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

#### Hazard statement(s)

H225	Highly flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335/H336	May cause respiratory irritation, and drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.
P301/P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P305/P351/P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.

**WHMIS Classification**

B2	Flammable liquid
D1B	Toxic Material Causing Immediate and Serious Toxic Effects
D2B	Toxic by ingestion/Moderate skin irritant/Moderate eye irritant

**HMIS Classification**

<b>Health hazard:</b>	2
<b>Chronic Health Hazard:</b>	*
<b>Flammability:</b>	3
<b>Physical hazards:</b>	0

**Potential Health Effects**

<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.
<b>Ingestion</b>	Toxic if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Synonyms:</b>	2-Bromo-1H-pyrrole-1-carboxylic Acid 1,1-Dimethylethyl Ester
<b>Formula:</b>	C9H12BrNO2
<b>Molecular Weight:</b>	246.10
<b>CAS Number:</b>	117657-37-1

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
<b>N-Boc-2-bromopyrrole</b>			
117657-37-1	-	-	25%
<b>Hexane</b>			
110-54-3	202-777-6	601-037-00-0	75%

**4. FIRST AID MEASURES****General Advice**

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**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5. FIRE FIGHTING MEASURES****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid dust or aerosol formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust or aerosols. Provide appropriate exhaust ventilation at places where dust/aerosol is formed. Normal measures for preventative fire protection. Avoid heat, sparks or static discharges.

### Conditions for safe storage

Keep container tightly close in a dry and well-ventilated place. Store at -20° C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace exposure values:

Hexane	CAS# 110-54-3
Canada (British Columbia)	TWA 20 ppm
Canada (Quebec)	TWA 50 ppm
US (ACGIH)	TWA 50 ppm

Skin absorption is a significant exposure route.

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with 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.

#### Eye protection

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

#### Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

#### Specific engineering controls

Use mechanical exhaust or laboratory fume hood to avoid exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	pH	N/A
Melting point	N/A	Boiling point	N/A
Flash point	N/A	Ignition temperature	N/A
Lower explosion limit	N/A	Upper explosion limit	N/A
Vapor pressure	N/A	Density	N/A
Water solubility	N/A		

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

Heat. Sparks. Static discharge.

### Materials to avoid

Strong oxidizing agents.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides, hydrogen bromide.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### 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.

### Reproductive toxicity/Teratogenicity

no data available

### Aspiration hazard

Possible aspiration hazard (hexanes)

### Potential Health Effects

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes eye irritation.

**Ingestion** Toxic if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

### Signs and Symptoms of Exposure

Prolonged or repeated contact with skin may cause: defatting, dermatitis. Contact with eyes can cause: redness, blurred vision, provokes tears. Effects due to ingestion may include: gastrointestinal discomfort, central nervous system depression, lung irritation, chest pain, pulmonary edema.

### Additional Information

RTECS: Not available

## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### Bioaccumulative potential

no data available

### PBT and vPvB assessment

no data available

### Persistence and degradability

no data available

### Mobility in soil

no data available

### Other adverse effects

Toxic to aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### DOT (US)

UN-Number: 1993                      Class: 3                      Packing group: II  
Proper shipping name: Flammable liquid, n.o.s. (N-Boc-2-bromopyrrole, in hexane - 25% w/v)  
Marine pollutant: No  
Poison Inhalation Hazard: No

### IMDG

UN-Number: 1993                      Class: 3                      Packing group: II  
Proper shipping name: Flammable liquid, n.o.s. (N-Boc-2-bromopyrrole, in hexane - 25% w/v)  
Marine pollutant: No

### IATA

UN-Number: 1993                      Class: 3                      Packing group: II  
Proper shipping name: Flammable liquid, n.o.s. (N-Boc-2-bromopyrrole, in hexane - 25% w/v)

## 15. REGULATORY INFORMATION

### DSL Status

DSL - The substance is specified on the public Portion of the Domestic Substances List (benzene).  
All other components are not listed on the Canadian DSL or NDSL list.

### WHMIS Classification

B2     Flammable liquid  
D1B   Toxic Material Causing Immediate and Serious Toxic Effects  
D2B   Toxic by ingestion/Moderate skin irritant/Moderate eye irritant

## 16. OTHER INFORMATION

*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.*

6/11/2014