

MTIC: sc-211930



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** MTIC  
**Catalog Number:** sc-211930  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 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

#### WHMIS Classification

D1A Very toxic material causing other toxic effects

Mutagen  
Possible carcinogen

#### HMIS Classification

**Health hazard:** 2  
**Chronic Health Hazard:** \*  
**Flammability:** 0  
**Physical hazards:** 0

#### Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.  
**Ingestion** Harmful if swallowed.

#### GHS Hazard Class

Acute toxicity, oral (category 4)  
Germ Cell mutagenicity (category 2)  
Carcinogenicity (category 2)

#### GHS Label elements, including precautionary statements

Signal Word Warning

#### Hazard Statement

H302 Harmful if swallowed.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.

#### Precautionary Statement

P201 Obtain special instructions before use.  
P218 Use personal protective equipment as required.  
P301/P312 IF SWALLOWED: call a POISON CENTER or a doctor/physician if you feel unwell.  
P308/P313 If exposed or concerned: get medical advice/attention.

#### GHS Label Pictogram



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Molecular Formula:** C<sub>5</sub>H<sub>8</sub>N<sub>6</sub>O

**Molecular Weight:** 168.16

**CAS Registry #:** 3413-72-7

**EC#:**

**Synonyms:**

Monomethyl Triazeno Imidazole Carboxamide, 3-Methyl(triazenyl)imidazole-4-carboxamide, 5-(3-Methyltriazene-1-yl)imidazole-4-carboxamide, NSC 407347

### 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 vapours, mist or gas. Ensure adequate ventilation.

#### 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.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Store at -20°C under inert atmosphere.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Off-white solid

### Safety data

|                       |     |                       |     |
|-----------------------|-----|-----------------------|-----|
| 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 | Vapour pressure       | N/A |
| Density               | N/A | Water solubility      | N/A |

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

no data available

### Materials to avoid

Strong oxidizing agents.

### Hazardous decomposition products

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

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

LD50 (intraperitoneal - mouse) 775 mg/kg

### Irritation and corrosion

no data available

### Sensitization

no data available

### Reproductive toxicity/Teratogenicity

no data available

### Additional Information

RTECS: NI4000000

### Germ Cell Mutagenicity

Laboratory results have shown mutagenicity in vitro and in vivo.

### Carcinogenicity

IARC: Not classified as a carcinogen by IARC.

Tumorigenic by RTECS criteria - skin, uterine tumors

### Potential health effects

#### Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

#### Skin

May be harmful if absorbed through skin. May cause skin irritation.

#### Eyes

May cause eye irritation.

#### 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.

## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effects

no data available

## 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)/IMDG/IATA

not dangerous goods

## 15. REGULATORY INFORMATION

### DSL Status

Product is not on the Canadian DSL or NDSL list.

### WHMIS Classification

Not WHMIS controlled.

## 16. OTHER INFORMATION

### Further 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.*

06/01/2011