



## MATERIAL SAFETY DATA SHEET

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The Power to Question

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FC 131  
**Product Number:** sc-362738  
**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

#### Classification of the substance or mixture

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008.

#### Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards** – none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

**Formula:** C<sub>36</sub>H<sub>47</sub>N<sub>11</sub>O<sub>6</sub>

**Molecular Weight:** 729.84

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
<b>FC 131</b> 606968-52-9	-	-	-

### 4. FIRST AID MEASURES

#### Description of first aid measures

##### General advice

Consult a doctor and show this safety data sheet.

##### If inhaled

Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

##### In case of skin contact

Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

##### In case of eye contact

Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

##### If swallowed

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

##### Most important symptoms and effects, both acute and delayed

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

##### Indication of immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### Suitable extinguishing media

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

#### Special hazards arising from the substance or mixture

In combustion, may emit toxic fumes.

#### Precautions for fire-fighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

## 6. ACCIDENTIAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Cover spillage with suitable absorbent material. Using non-spark tools, sweep up material and place in an appropriate container. Decontaminate spill site with 10% caustic solution and ventilate area until after disposal is complete. Hold all material for appropriate disposal as described under section 13 of SDS.

### Reference to other sections

For required PPE see section 8. For disposal see section 13.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

### Conditions for safe storage, including any incompatibilities.

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use. Recommended storage temperature: Store at -20°C

### Specific end uses

Use in a laboratory fume hood where possible. Refer to employer's COSHH risk assessment.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Appropriate engineering controls

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

### Personal protective equipment

#### Eye/face protection

Use appropriate safety glasses.

#### Skin protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

#### Body protection

Wear appropriate protective clothing.

#### Respiratory protection

If risk assessment indicates necessary, use a suitable respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid	Vapor pressure	No data available
Odor	No data available	Vapor density	No data available
Odor threshold	No data available	Relative density	No data available
pH	No data available	Partition coefficient	No data available

Melting / freezing point	No data available	Auto-ignition temperature	No data available
Boiling point / range	No data available	Viscosity	No data available
Flash point	No data available	Explosive properties	No data available
Evaporation rate	No data available	Oxidizing properties	No data available
Flammability (solid, gas)	No data available	Decomposition temperature	No data available
Upper / lower flammability or explosive limits	No data available		

**Solubility(ies):** Soluble to 2 mg/ml in 20% acetonitrile / water

**Other safety information**

No data available

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under recommended transport or storage conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**Conditions to avoid**

Heat, moisture.

**Incompatible materials**

Strong acids/alkalis, strong oxidizing/reducing agents.

**Hazardous decomposition products**

In combustion may emit toxic fumes. No known decomposition information.

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute Toxicity**

No data available

**Skin corrosion/irritation**

Classification criteria are not met based

**Serious eye damage/irritation**

Classification criteria are not met based

**Respiratory or skin sensitization**

Classification criteria are not met based

**Germ cell mutagenicity**

Classification criteria are not met based

**Carcinogenicity**

Classification criteria are not met based

**Reproductive toxicity**

Classification criteria are not met based

**Specific target organ toxicity – single exposure**

Classification criteria are not met based on available data

**Specific target organ toxicity – repeated exposure**

Classification criteria are not met based on available data

**Aspiration hazard**

Classification criteria are not met based on available data

**Symptoms / Routes of exposure**

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be irritation of the throat.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed / Immediate Effects: No known symptoms.

**Additional Information**

Exposure may cause irritation to eyes, mucous membranes, upper respiratory tract and skin.

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

## 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

May be harmful to the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with National legislation.

#### Contaminated packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with National legislation.

## 14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID and IATA.

### UN-Number

Does not meet the criteria for classification as hazardous for transport.

### UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

### Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

### Packaging group

Does not meet the criteria for classification as hazardous for transport.

### Environmental hazards

This product is not classified as environmentally hazardous according to the UN Model Regulations, nor a marine pollutant according to the IMDG Code.

### Special precautions for users

No data available

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

### Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

### Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

## 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.*

8/10/2012