



The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 02-Dec-2014

Version 1.1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PF 4708671

**Product Code** SC-361288

**Recommended use** For research use only. Not intended for diagnostic or therapeutic use.

**Company**  
 Santa Cruz Biotechnology, Inc.  
 10410 Finnell Street  
 Dallas, TX 75220  
 831.457.3800  
 800.457.3801  
 scbt@scbt.com

**Emergency telephone number**  
 Chemtrec  
 800.424.9300 (Within USA)  
 1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** The product contains no substances which at their given concentration, are considered to be hazardous to health

**OSHA Regulatory Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Potential health effects**

Eyes	May cause irritation.
Skin	May be harmful in contact with skin.
Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Chronic Toxicity	No known effect.

**Hazards not otherwise classified (HNOC)**  
 Hazards not otherwise classified (HNOC) Not applicable

**Environmental Hazard** See Section 12: ECOLOGICAL INFORMATION.

<b>NFPA</b>	Health hazards	2		<b>HMIS</b>	Health hazards	2
	Flammability	1			Flammability	1
	Stability	0			Physical hazards	0
	Physical and chemical properties	-			Personal protection	-

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Name** PF 4708671

**Molecular Weight** 390.41

**Formula** C<sub>19</sub>H<sub>21</sub>F<sub>3</sub>N<sub>6</sub>



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## 4. FIRST AID MEASURES

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General advice	Immediate medical attention is required.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.
Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.
Note to physicians	Treat symptomatically.
Self-protection of the first aider	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Suitable Extinguishing Media      Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

### Specific hazards arising from the chemical

Flammable properties	Not determined.
Flash point °C	300.23
Hazardous combustion products	Hydrogen fluoride. Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ).

### Explosion data

Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.

### Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters      As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions	Use personal protective equipment as required. Keep people away from and upwind of spill/leak.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.
Methods for containment	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

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## 7. HANDLING AND STORAGE

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Advice on safe handling	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure controls

Engineering Controls	Showers Eyewash stations Ventilation systems
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### Personal protective equipment (PPE)

Eye/face protection	Tight sealing safety goggles.
Skin and Body Protection	Gloves made of plastic or rubber. Suitable protective clothing.
Respiratory protection	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	Solid
Appearance	No information available
Odor	No information available

### Property

### Values

pH	No information available
Melting point/freezing point	189 °C
Boiling point	572.81 °C
Flash point	300.23 °C
Density	1.3 g/cm <sup>3</sup>
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	0
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	3.25
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## 10. STABILITY AND REACTIVITY

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Reactivity	Not applicable
Stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with oxidizing agents.
Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Hazardous Decomposition Products	Hydrogen fluoride. Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ).
Hazardous polymerization	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

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Product Information Product does not present an acute toxicity hazard based on known or supplied information.

**Chronic Toxicity**

Target Organ Effects None known.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Ecotoxicity The environmental impact of this product has not been fully investigated.  
 Persistence and degradability No information available.  
 Bioaccumulation No information available.

**13. DISPOSAL CONSIDERATIONS**

Disposal considerations Disposal should be in accordance with applicable regional, national and local laws and regulations.  
 Contaminated packaging Do not reuse container.

**14. TRANSPORT INFORMATION****DOT**

UN/ID no UN2811  
 Hazard Class 6.1  
 Packing Group III  
 Proper shipping name Toxic solids, organic, n.o.s.  
 Description UN2811, Toxic solids, organic, n.o.s. (PF 4708671), 6.1, III  
 Emergency Response Guide Number 154

**IATA**

UN/ID no UN2811  
 Hazard Class 6.1  
 Packing Group III  
 Proper shipping name Toxic solid, organic, n.o.s.  
 Description UN2811, Toxic solid, organic, n.o.s. (PF 4708671), 6.1, III  
 Special Provisions A3,A5

**IMDG**

UN/ID no UN2811  
 Hazard Class 6.1  
 Packing Group III  
 Proper shipping name Toxic solid, organic, n.o.s.  
 Description UN2811, Toxic solid, organic, n.o.s. (PF 4708671), 6.1, III  
 EmS-No F-A, S-A

**15. REGULATORY INFORMATION****International Inventories**

All of the components in the product are on the following Inventory lists No information available

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory



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DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances

## US Federal Regulations

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

## US State Regulations

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### **U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

## Mexico Regulatory Information

## Canada Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class	Non-controlled
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## **16. OTHER INFORMATION**

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<b>Revision date</b>	02-Dec-2014
<b>Revision note</b>	No information available

### **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**