



The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 19-Dec-2018

Version 1.1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name 4-isopropoxybenzoyl chloride  
Product Code SC-290379

### Recommended use of the chemical and restrictions on use

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

### Details of the supplier of the safety data sheet

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

### Emergency telephone number

Chemtrec  
1.800.424.9300 (Within USA)  
+1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification

Skin corrosion/irritation Category 1 Sub-category B  
Serious eye damage/eye irritation Category 1

### Label elements

Signal word Danger  
Hazard statements Causes severe skin burns and eye damage  
Symbols/Pictograms



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage  
Precautionary Statements - Disposal

Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
Store locked up  
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Hazards not otherwise classified (HNOC)

Not applicable

**Other Information**

Unknown acute toxicity

100% of the mixture consists of ingredient(s) of unknown toxicity.

**NFPA**

Health hazards	2
Flammability	0
Stability	0
Physical and chemical properties	-

**HMIS**

Health hazards	2
Flammability	0
Physical hazards	0
Personal protection	-

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS No	36823-82-2
Molecular Weight	198.65
Formula	C <sub>10</sub> H <sub>11</sub> ClO <sub>2</sub>

Chemical name	CAS No.	Weight-%	Oral LD50	Dermal LD50	Inhalation LC50
4-isopropoxybenzoyl chloride	36823-82-2	>98	-	-	-

**4. FIRST AID MEASURES****First Aid Measures**

General advice	Consult a physician if necessary. Remove to fresh air.
Eye contact	Wash with plenty of water.
Skin Contact	Wash skin with soap and water.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	Never give anything by mouth to an unconscious person. Clean mouth with water.

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

Symptoms No information available.

**Indication of any immediate medical attention and special treatment needed**

Note to physicians Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Suitable Extinguishing Media	In case of fire: Use CO <sub>2</sub> , dry chemical, or foam for extinction.
Unsuitable Extinguishing Media	DO NOT USE WATER.

**Specific hazards arising from the chemical**

Specific hazards arising from the chemical	Thermal decomposition can lead to release of toxic/corrosive gases and vapors.
Hazardous combustion products	Carbon oxides. Phosgene.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

### Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.  
Methods for cleaning up Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

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### Precautions for safe handling

Advice on safe handling Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

### Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store at room temperature.

Incompatible materials Bases. Water.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

Engineering Controls Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).  
Skin and Body Protection Wear protective gloves and protective clothing.  
Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State liquid  
Appearance No information available



Odor No information available

### **Property**

<b><u>Property</u></b>	<b><u>Values</u></b>
pH	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Liquid Density	No information available
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
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

Reactivity Not applicable

Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	No information available.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	Bases. Water.
Hazardous Decomposition Products	Substance will react with water (some violently), releasing corrosive and/or toxic gases and runoff. Carbon oxides. Phosgene.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

### **Information on toxicological effects**

Symptoms No information available.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Chronic Toxicity No information available.

### **Numerical measures of toxicity - Product Information**

Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION



Ecotoxicity May cause long lasting harmful effects to aquatic life  
 100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability No information available.  
 Bioaccumulation No information available.  
 Mobility No information available.

### 13. DISPOSAL CONSIDERATIONS

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.  
 Contaminated packaging Do not reuse container.  
 US EPA Waste Number D002

### 14. TRANSPORT INFORMATION

#### DOT

UN/ID no UN1760  
 Hazard Class 8  
 Packing Group III  
 Proper shipping name Corrosive liquids, n.o.s.  
 Description UN1760, Corrosive liquids, n.o.s., 8, III  
 Emergency Response Guide Number 154

#### IMDG

UN/ID no UN1760  
 Hazard Class 8  
 Packing Group III  
 Proper shipping name Corrosive liquid, n.o.s.  
 Description UN1760, Corrosive liquid, n.o.s., 8, III  
 Special Provisions 274, 223  
 EmS-No F-A, S-B

#### IATA

UN/ID no UN1760  
 Hazard Class 8  
 Packing Group III  
 Proper shipping name Corrosive liquid, n.o.s.  
 Description UN1760, Corrosive liquid, n.o.s., 8, III  
 ERG Code 8L

### 15. REGULATORY INFORMATION

#### International Inventories

All of the components in the product are on the following Inventory lists  
 Europe (EINECS/ELINCS/NLP)

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
4-isopropoxybenzoyl chloride	-	-	-	X	-	-	-	-	-	-

X - Listed

