

# 17-phenyl trinor PGF2 $\alpha$ isopropyl ester: sc-205226



## MATERIAL SAFETY DATA SHEET

The Power to Question

### 1. Chemical Product and Company Identification

**Product Name:** 17-phenyl trinor PGF2 $\alpha$  isopropyl ester  
**Product Number:** sc-205226  
**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

**Emergency Overview:** Highly Flammable.Toxic.

**Target Organ(s):** Blood, central nervous system, digestive system, endocrine system, eyes, liver, reproductive system, respiratory system, skin.

#### Route(s) of Entry

**Inhalation:** Yes  
**Skin:** Yes  
**Eyes:** Yes  
**Ingestion:** Yes  
**Other:** Injection

**Health Hazards (Acute and Chronic):** Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. May cause adverse reproductive effects in males and/or females. May cause gastrointestinal disturbances. Stimulates contraction of intestinal and reproductive smooth muscle. This chemical has the potential to induce premature labor or abortion. The toxicological properties of this product have not been fully evaluated.

**LD 50 / LC 50:** Please refer to Section 11.

**Signs and Symptoms Of Exposure:** Exposure can cause: Nausea, diarrhea, vomiting, flushing, shivering, hypotension, and dizziness. Irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough; liver damage; anemia; reproductive, teratogenic effects.

### 3. Composition/Information on Ingredients

<i>CAS-No.</i>	<i>EC-No.</i>	<i>RTECS #</i>	<i>Concentration</i>
<b>17-phenyl trinor Prostaglandin F2.alpha.isopropyl ester</b>			
130209-76-6	N/A	N/A	1.0%
<b>Ethyl alcohol</b>			
64-17-5	200-578-6	KQ6300000	99.0%

### 4. First Aid Measures

#### Emergency and First Aid Procedures

**If inhaled,** remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

**If swallowed,** wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

**In case of contact with eyes**, hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.  
**In case of skin contact**, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

## 5. Fire Fighting Measures

**Flash Pt:** 14.00° C

**Method Used:** Closed Cup

**Explosive Limits**

**LEL:** 3.3% at 25.0° C

**UEL:** 19% at 25.0° C

**Autoignition Pt:** 363.00° C

**Special Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

**Note:** Flammable as diluted in ethanol.

**Unusual Fire and Explosion Hazards:** Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. Container explosion may occur under fire conditions. Emits toxic fumes under fire conditions. Sensitive to static discharge. Vapors can travel to a source of ignition and flash back.

**Hazardous Combustion Products:** No data available.

**Suitable Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

**Unsuitable Extinguishing Media:** A solid water stream may be inefficient.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Avoid release into the environment. Avoid breathing vapors and provide adequate ventilation. Remove all sources of ignition. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. Handling and Storage

**Hazard Label Information:** Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling

**Precautions To Be Taken in Handling:** Avoid breathing (dust, vapor, mist, gas). Avoid prolonged or repeated exposure. Keep away from sources of ignition. Prevent the build up of electrostatic charge.

**Precautions To Be Taken in Storing:** Keep away from heat, sparks, and flame. Keep tightly closed. Store at -20° C.

**Other Precautions:** Hygroscopic. Light sensitive.

## 8. Exposure Controls/Personal Protection

<i>CAS-No.</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>Other Limits</i>
<b>17-phenyl trinor Prostaglandin F2.alpha.isopropyl ester</b>			
130209-76-6	No data	No data	No data
<b>Ethyl alcohol</b>			
64-17-5	1000 ppm	1000 ppm	No data

### Protective Equipment Summary – Hazard

**Label Information:** Compatible chemical-resistant gloves. Eye wash station in work area. Lab coat. Safety glasses. Safety shower in work area. Vent. Hood.

**Respiratory Equipment (Specify Type):** NIOSH approved respirator, as conditions warrant.

**Eye Protection:** Safety glasses

**Protective Gloves:** Compatible chemical-resistant gloves.

**Other Protective Clothing:** Lab coat

**Ventilation:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Work/Hygienic/Maintenance Practices:** Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash thoroughly after handling.

## 9. Physical and Chemical Properties

Physical States	Liquid	Melting Point	No data
Boiling Point	No data	Autoignition Pt	363.00° C
Explosive Limits LEL	3.3% at 25.0° C	Explosive Limits UEL	19% at 25.0° C
Specific Gravity (H <sub>2</sub> O= 1)	No data	Bulk density	No data
Vapor Density (vs. Air = 1)	No data	Solubility in Water	No data
Percent Volatile	No data	Heat Value	No data
Particle Size	No data	Corrosion Rate	No data
Formula	C <sub>26</sub> H <sub>38</sub> O <sub>5</sub>	Molecular Weight	430.6
pH	No data		

**Evaporation Rate (vs Butyl Acetate=1):** No data.

**Vapor Pressure (vs. Air or mm Hg):** 43 MMHG at 20.0° C

## 10. Stability and Reactivity

**Stability:** Stable

**Conditions To Avoid – Instability:** Heat, flames and sparks.

**Incompatibility – Materials To Avoid:** Acids alkali metals, ammonia, bases, peroxides, strong oxidizing agents.

**Hazardous Decomposition Or Byproducts:** Carbon monoxide, carbon dioxide, nitrogen oxides.

**Possibility of Hazardous Reactions:** Will not occur.

**Conditions To Avoid – Hazardous Reactions:** No data available.

## 11. Toxicological Information

The toxicological effects of this product have not been thoroughly studied.

### Ethanol – Toxicity Data

**Oral LD<sub>50</sub> (rat):** 7,060 mg/kg

**Inhalation LC<sub>50</sub> (rat):** 20,000 ppm (10h)

### Irritation Data

**Eyes (rabbit):** 500 mg (24h) mild

**Skin (rabbit):** 20mg (24h) moderate

**Chronic Toxicological Effects:** Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

**Ethanol RTECS Number:** KQ6300000

**Carcinogenicity/Other Information:** No data available.

### Carcinogenicity

**NTP:** No

**IARC Monographs:** No

**OSHA Regulated:** No

## 12. Ecological Information

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

## 14. Transport Information

### LAND TRANSPORT (US DOT)

**DOT Proper Shipping Name:** Ethyl alcohol solution

**DOT Hazard Class:** 3

**DOT Hazard Label:** FLAMMABLE LIQUID

**UN/NA Number:** 1170

**Packing Group:** II

**LAND TRANSPORT (European ADR/RID)****ADR/RID Proper Shipping Name** Ethyl alcohol solution**UN Number:** 1170**Packing Group:** II**AIR TRANSPORT (ICAO/IATA)****ICAO/IATA Proper Shipping Name:** Ethyl alcohol solution**UN Number:** 1170**Packing Group:** II**IATA Classification:** 3**Additional Transport Information:** Transport in accordance with local, state, and federal regulations.**15. Regulatory Information****European Community Hazard Symbol codes**

F: Highly Flammable; T: Toxic; Xn: Harmful; Reproductive Hazard: 1

**European Community Risk and Safety Phrases**

R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R60	May impair fertility.
R61	May cause harm to the unborn child.
S7	Keep container tightly closed.
S16	Keep away from sources of ignition.
S22	Do not breathe dust.
S24/25	Avoid contact with skin and eyes.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S53	Avoid exposure – obtain special instructions before use.

**US EPA SARA Title III**

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. 17-phenyl trinor Prostaglandin F2.alpha. isopropyl ester	130209-76-6	No	No	No	No
2. Ethyl alcohol	64-17-5	No	No	No	No

**US EPA CAA, CWA, TSCA**

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPV
1. 17-phenyl trinor Prostaglandin F2.alpha. isopropyl ester	130209-76-6	HAP, ODC ( )	No	No	
2. Ethyl alcohol	64-17-5	HAP, ODC ( )	No	Inventory	

**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.***

3/1/2012