



The Power to Question

Trilostane: sc-208469

Material Safety Data Sheet

Section 1 - General Information

Chemical Name:

Trilostane

CAS Reg. Number:

13647-35-3

Catalog Number:

sc-208469

Company:

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

Section 2 - Hazardous Ingredients/Identity Information

We are not aware of any hazards for the above product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Santa Cruz Biotechnology, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Appearance and Odor:

Tan Crystals

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Solubility in Water:

N/A

Melting Point:

257.8-270°

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Section 4 - Reactive Data

Stability:

Good

Incompatibility (Materials to Avoid):

Strong oxidizing agents

Conditions to Avoid:

Strong oxidizers

Hazardous Decomposition or Byproducts:

Toxic fumes of carbon monoxide and carbon dioxide, nitrogen oxides

Hazardous Polymerization:

will not occur

Section 5 - Control Measures

Respiratory Protection:

Niosh/Msha approved respirator

Ventilation:

HOOD

Protective Gloves:

chemical resistant gloves

Eye Protection:

SAFETY GOGGLES

Other Protective Clothing:

LAB COAT/APRON

Other Protection:

safety shower, eye wash

Section 6 - First Aid Measures

Inhalation:

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.

Skin:

IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

REMOVE CONTAMINATED CLOTHING AND SHOES.

Ingestion:

If SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

Eyes:

IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN..

ASSURE ADEQUATE FLUSHING BY SEPARATING EYELIDS.

Section 7 - Health Hazard Data

Health Hazards (Acute and Chronic):

Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye

Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to

mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Trilostane produces suppression of the adrenal cortex by inhibiting enzymatic conversion of steroids by 3-beta-hydroxysteroid dehydrogenase/delta 5,4 ketosteroid isomerase, thus blocking synthesis of adrenal steroids. Carcinogenicity Studies for 18 months in rats given doses of 250 mg per kg of body weight (mg/kg) per day found an increased incidence of adrenal adenomas. These were shown to be related to compensatory adrenocorticotrophic hormone (ACTH) stimulation rather than to a direct action of trilostane.

Mutagenicity Standard tests found no evidence of mutagenicity. Pregnancy/Reproduction Fertility Gonadal function may be depressed during trilostane therapy. This is reversible upon cessation of therapy.

Pregnancy Trilostane is not recommended during pregnancy because it has been reported to reduce circulating progesterone, produce cervical dilation, and terminate pregnancy in some women. Studies in rats have shown that trilostane is teratogenic (skeletal abnormalities) in doses approximately 13 times the recommended human dose; teratogenicity seems to be related to the reduction in circulating progesterone.

Medical Conditions Generally Aggravated by Exposure:

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

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

WEAR PROTECTIVE EQUIPMENT. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Waste Disposal Method:

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

Precautions to Be Taken in Handling and Storage:

MECHANICAL EXHAUST REQUIRED. DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.

Section 9 - Fire and Explosion Hazard Data**Extinguishing Media:**

WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

Special Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire and Explosion Hazards:

Emits toxic fumes in fire conditions

Section 10 - Transportation Information and regulatory information

Transportation Information DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.

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.