

2,6-Di(tert-butyl)-4-hydroxy-4-methyl-2,5-cyclohexadien-1-one: sc-266178



The Power to Question

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 2,6-Di(tert-butyl)-4-hydroxy-4-methyl-2,5-cyclohexadien-1-one
Product Number: sc-266178
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

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Formula: C₁₅H₂₄O₂
Molecular Weight: 236.35
CAS Registry #: 10396-80-2
TLV/PEL: Not available

SECTION 3 - HAZARDS IDENTIFICATION

Irritating to the eyes and skin on contact. Inhalation may cause irritation of the lungs and respiratory system. Irritation of the eye is characterized by redness, watering, and itching. Skin irritation is characterized by itching, swelling, reddening, or blistering. The toxicological properties of this material have not been investigated. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. DO NOT use an eye ointment. Get medical aid immediately.
Skin: Get medical aid. Flush skin with soap and water - at least 15 minutes and remove contaminated clothing and shoes.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SECTION 5 - FIRE AND EXPLOSION DATA

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammability	Not available	Flash point	Not available
Auto-ignition	Not available	Flammable limits	Not available

Fire fighting media:

SMALL FIRE: Use DRY chemicals, CO₂, water spray, or foam.

LARGE FIRE: Use water spray, fog, or foam. DO NOT use water jet.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case of spill or leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water.

Use proper personal protective equipment as indicated in Section 8.

SECTION 7 - HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store in a cool, dry place. Keep away from sources of heat and ignition. Avoid excessive heat and light. Keep container closed when not in use. Store at room temperature.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels

Personal Protection: Work in an approved fume hood. Use splash goggles, gloves, and lab coat. A respiratory protection program that meets OSHA's 29 CFR § 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Exposure Limits - Not Available

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Not specified	BP	Not specified
Density	Not specified	MP	Not specified
Odor	Not specified	Solubility	Not specified

SECTION 10 - STABILITY AND REACTIVITY DATA

Stability: This material is stable if stored under proper conditions. (See section 7).

Conditions to avoid: Excessive heat and light, incompatible materials, oxidants, acids.

Incompatibles: Strong oxidizing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION

The toxicological properties of this material have not been fully investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

RTECS Number	N/A	Carcinogenic Effects	N/A
Toxicology	N/A	Mutagenic Effects	N/A
Routes of Exposure	Ingestion, inhalation		

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Environmental fate: Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Dispose of in a manner consistent with federal, state, and local regulations

SECTION 14 - TRANSPORT INFORMATION

DOT Classification

None

Proper Shipping Name

None

UN/ID Number

None

Packing Group

None

SECTION 15 - REGULATORY INFORMATION

This material IS NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

- 1) This product is supplied solely for use in research and development by or under the supervision of technically qualified individuals as defined in 40 CFR 720.0.
- 2) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.

WHMIS Classification

WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC)

SECTION 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.

9/5/2012