

1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl)hydrazine: sc-356267



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Product and company identification

Product Name: 1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl)hydrazine
Product Number: sc-356267

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 Composition/information on ingredients

Chemical characterization: Substances
Chemical Name: 1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl) hydrazine
CAS No.: 32687-78-8
EC number: 251-156-3

3 Hazards identification

Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Classification system:

NFPA ratings (scale 0 - 4)

Health	1
Fire	1
Reactivity	0

HMIS-ratings (scale 0 - 4)

Health	0
Fire	1
Reactivity	0

4 First aid measures

General information: Take affected persons out of danger area and lay down.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

5 Firefighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture: Carbon monoxide (CO)

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation Wear protective clothing. Avoid formation of dust. Keep away from ignition sources.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up mechanically. Dispose of the collected material according to regulations.

Reference to other sections: No dangerous substances are released.

7 Handling and storage

Handling

Precautions for safe handling: Prevent formation of dust. Any deposit of dust which cannot be avoided must be regularly removed. Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires: Dust can combine with air to form an explosive mixture. Keep ignition sources away. Do not smoke. Protect against electrostatic charges.

Storage

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Store in dry conditions at room temperature.

8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace: Not required.

Additional Occupational Exposure Limit Values for possible hazards during processing:

PEL: 15* 5** mg/mN

* total dust **respirable fraction

REL: 10* 5** mg/mN

* total dust **respirable fraction

TLV: 10 mg/mN

Dust Value

Personal protective equipment

General protective and hygienic measures: Do not eat, drink, smoke or sniff while working. Keep away from foodstuffs, beverages and feed. The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not necessary if room is well-ventilated.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: Butyl rubber, BR; Nitrile rubber, NBR; PVC gloves

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Protective work clothing

9 Physical and chemical properties

Form	Powder	Odor	Odorless
Molecular Formula	C34H52N2O4	Molecular Weight	552.79
Melting point/Melting range	221-232° C	Boiling point/Boiling range	Undetermined
Flash point	> 180° C	Flammability (solid, gaseous)	Not flammable
Danger of explosion	No explosion hazard	Density at 20° C (68° F)	1.11 g/cm3
Solubility in / Miscibility with Water at 20°C (68 °F)	< 0.001 g/l		

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity

Oral LD50 > 7000 mg/kg (Rat)

Primary irritant effect

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

12 Ecological information

Aquatic toxicity

EC50 (24h) > 15 mg/l (Daphnia)

LC50 (96h) > 100 mg/l (Fish)

Behavior in environmental systems

Bioaccumulative potential: No further relevant information available.

Ecotoxic effects: No effects at its water solubility. Tested above the maximum solubility.

Additional ecological information: Water hazard class 1 (Self-assessment): slightly hazardous for water

13 Disposal considerations

Waste treatment methods: Must be specially treated adhering to official regulations.

Uncleaned packagings: Disposal must be made according to official regulations.

14 Transport information

DOT regulations

Hazard class: Not classified

Land transport ADR/RID (cross-border)

ADR/RID class: Not classified

Maritime transport IMDG

IMDG Class: Not classified

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: Not classified

UN "Model Regulation": -

Transport/Additional information: Not dangerous according to the above specifications.

15 Regulatory information

Sara

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is listed.

Proposition 65

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): Substance is not listed.

IARC (International Agency for Research on Cancer): Substance is not listed.

NTP (National Toxicology Program): Substance is not listed.

TLV (Threshold Limit Value established by ACGIH): Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration): Substance is not listed.

Chemical Inventories

Australia - AICS

Canada - DSL

EU - EINECS

China - IECSC

Japan - ENCS

New Zealand - NZIOC

Korea - ECL

USA - TSCA

Philippines - PICCS

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.

7/9/2012