

7,12-Dimethylbenz[a]anthracene: sc-210652



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 7,12-Dimethylbenz[a]anthracene
Product Number: sc-210652

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

Components: 7,12-Dimethylbenz[a]anthracene
CAS Number: 57-97-6
ACGIH Exposure Limits: None
OSHA Exposure Limits: None

3. HAZARDS IDENTIFICATION

Emergency Overview: Harmful by inhalation, in contact with skin and if swallowed. Harmful to flora, fauna, soil organisms and aquatic organisms.

Category of Danger: Harmful, Dangerous for the environment.

Principle routes of exposure: Skin

Potential Health Effects:

Inhalation	Harmful by inhalation.
Ingestion	Harmful if swallowed.
Skin	Harmful in contact with skin.
Eye	Risk of serious damage to eyes

Statements of hazard: Harmful if swallowed. May be harmful if absorbed through skin or inhaled.

Statement of Spill or Leak - ANSI Label: Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Statement of First Aid: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

Precautions - ANSI Label: Do not taste or swallow. Wash thoroughly after handling.

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam.

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers.

Flash point: Not determined

Autoignition temperature: Not determined

NFPA rating:

Health: 2

Flammability: 0
Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage: Room temperature.

Handling: Use only in area provided with appropriate exhaust ventilation.

Safe handling advice: Wear personal protective equipment.

Technical measures/storage conditions: Keep containers tightly closed in a cool, well-ventilated place.

Incompatible products: Oxidizing and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline	Physical state	Powder
Formula	C ₂₀ H ₁₆	Molecular weight	256.34
Melting point/range	122-123	Boiling point/range	No data available
Density	No data available	Vapor pressure	Negligible
Evaporation rate	No data available	Vapor density	No data available
Solubility (in water)	Slightly soluble	Flash point	Not determined
Autoignition temperature	Not determined		

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

Materials to avoid: Strong oxidizing agents

Conditions to avoid: Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components

7,12-Dimethylbenz[a]anthracene

RTECS Number:

CW3850000

Selected LD50s and LC50s

Oral LD50 Rat : 327 mg/kg

Oral LD50 Mouse : 340 mg/kg

Chronic toxicity: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Specific effects: May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Primary irritation: No data is available on the product itself.

Carcinogenic effects: No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

Bioaccumulative potential

no data available

Mobility

no data available

Aquatic toxicity

May cause long-term adverse effects in the aquatic

Components 9,10-DIMETHYL-1,2-BENZANTHRACENE	U.S. DOT - Appendix B - Marine Pollutan Not Listed	U.S. DOT - Appendix B - Severe Marine Pollutants Not Listed	United Kingdom - The Red List: Not Listed
Components 9,10-DIMETHYL-1,2-BENZANTHRACENE	Germany VCI (WGK) Not Listed	World Health Organization (WHO) - Drinking Water Not Listed	Ecotoxicity - Fish Species Data Not Listed
Components 9,10-DIMETHYL-1,2-BENZANTHRACENE	Ecotoxicity - Freshwater Algae Data Not Listed	Ecotoxicity - Microtox Data Not Listed	Ecotoxicity - Water Flea Data Not Listed
Components 9,10-DIMETHYL-1,2-BENZANTHRACENE	EPA - ATSDR Priority List Not Listed	EPA - HPV Challenge Program Chemical List Not Listed	California - Priority Toxic Pollutants Not Listed
Components 9,10-DIMETHYL-1,2-BENZANTHRACENE	California - Priority Toxic Pollutants Not Listed	California - Priority Toxic Pollutants Not Listed	

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

UN/Id No: 3077

DOT:

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

IATA Hazard Label(s): Miscellaneous

Hazard Class: 9 - Other miscellaneous materials

Packing group: III

Emergency Response Guide Number (ERG): 171

Components

7,12-Dimethylbenz[a]anthracene

U.S. DOT - Appendix A Table 1 - Reportable Quantities

RQ = 1 pound (0.454 kg); also listed as Benz[a]anthracene, 7,12-dimethyl

TDG (Canada):

WHMIS hazard class: D1b toxic materials



IMDG/IMO

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

IMDG - Hazard Classifications: Not Applicable

Components

7,12-Dimethylbenz[a]anthracene

U.S. DOT - Appendix B - Marine Pollutant
Not Listed

U.S. DOT - Appendix B - Severe Marine Pollutants
Not Listed

15. REGULATORY INFORMATION

International Inventories

Components

7,12-Dimethylbenz[a]anthracene

Inventory - United States TSCA - Sect. 8(b)

Canada DSL Inventory List -

EU EINECS List -

Present

Present

200-359-5; C20H16

**U.S. regulations:
Components**

9,10-DIMETHYL-1,2-
BENZANTHRACENE

California Proposition 65
-
carcinogen; initial date
1/1/90

**Massachusetts Right to
Know List:**
carcinogen; extraordinarily
hazardous

**New Jersey Right to
Know List:**
sn 0194

**Pennsylvania Right to Know
List:**
environmental hazard; special
hazardous substance

Components

9,10-DIMETHYL-1,2-
BENZANTHRACENE

Florida substance List:
[present]

**Rhode Island Right to
Know List:**
Not Listed

**Illinois - Toxic Air
Contaminants**
Not Listed

**Connecticut - Hazardous Air
Pollutants**
Not Listed

Components

9,10-DIMETHYL-1,2-
BENZANTHRACENE

**SARA 313 Emission
reporting/Toxic Release
of Chemicals**

Reporting Threshold = 100
pounds; (Listed under
"Polycyclic aromatic
compounds")

CERCLA/SARA - Section NTP:
302 Extremely Haz

Not Listed

None

IARC:

None

SARA 313 Notification: The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification: The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

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.

8/22/2012