

3,5-Diiodo-L-tyrosine: sc-362043



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3,5-Diiodo-L-tyrosine
Product Number: sc-362043
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

May cause skin irritation and/or dermatitis

Principle routes of exposure

Skin

NFPA Rating

Health: 1
Flammability: 1
Reactivity: 0

Potential Health Effects

Inhalation May cause irritation of respiratory tract
Ingestion May be harmful if swallowed.
Skin contact May cause allergic skin reaction
Eye contact Avoid contact with eyes

Statements of hazard

May cause allergic skin reaction

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: (S)-2-amino-3-(4-hydroxy-3,5-diiodophenyl)propanoic acid
Formula: C₉H₉I₂NO₃
Chemical Weight: 432.98

<u>CAS-No.</u>	<u>EC-No.</u>	<u>Index-No.</u>	<u>Concentration</u>
3,5-Diiodo-L-tyrosine 300-39-0	206-092-0	-	-

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).

If inhaled

Move to fresh air. Call a physician immediately.

In case of skin contact

Rinse immediately with plenty of water and seek medical advice

If swallowed

Do not induce vomiting without medical advice.

In case of 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.

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

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Use personal protective equipment.

Environmental precautions

Prevent product from entering drains.

Methods and materials for containment and clean up

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.

Conditions for safe storage

Store at room temperature.

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

Form	Solid	Melting point/range	213°C
Boiling point/range	No data available	Density	No data available
Vapor pressure	No data available	Evaporation rate	No data available
Vapor density	No data available	Solubility (water)	Soluble
Flash point	Not determined	Autoignition temperature	Not determined

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reaction

None under normal processing.

Hazardous decomposition products

Nitrogen oxides (NOx)/ammonia/CN- , Iodine (I-)

Materials to avoid

Strong oxidizing agents and spontaneously flammable products

Conditions to avoid

Exposure to air or moisture over prolonged periods

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Selected LD50s and LC50s Not determined

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.

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.

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Mobility

No data available

Bioaccumulation

No data available

Ecotoxicity effects

No data available

Aquatic toxicity

May cause long-term adverse effects in the aquatic environment.

Components 3,5-DIIODO-L-TYROSINE	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 3,5-DIIODO-L-TYROSINE	Germany VCI (WGK) Not Listed	World Health Organization (WHO) - Drinking Water Not Listed	Ecotoxicity - Fish Species Data Not Listed
Components 3,5-DIIODO-L-TYROSINE	Ecotoxicity - Freshwater Algae Data Not Listed	Ecotoxicity - Microtox Data Not Listed	Ecotoxicity - Water Flea Data Not Listed
Components 3,5-DIIODO-L-TYROSINE	EPA - ATSDR Priority List Not Listed	EPA - HPV Challenge Program Chemical List Not Listed	California - Priority Toxic Pollutants Not Listed
Components 3,5-DIIODO-L-TYROSINE	California - Priority Toxic Pollutants Not Listed	California - Priority Toxic Pollutants Not Listed	

13. DISPOSAL CONSIDERATIONS

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

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

International Inventories

United States TSCA - Sect. 8(b)	Present
Canada DSL Inventory List	Present
Australia (AICS):	Present

US Regulations

Components

3,5-DIIODO-L-TYROSINE

California Proposition 65	Massachusetts Right to Know List:	New Jersey Right to Know List:	Pennsylvania Right to Know List:
-	Not Listed	Not Listed	Not Listed

Components

3,5-DIIODO-L-TYROSINE

Florida substance List:	Rhode Island Right to Know List:	Illinois - Toxic Air Contaminants	Connecticut - Hazardous Air Pollutants
Not Listed	Not Listed	Not Listed	Not Listed

Components

3,5-DIIODO-L-TYROSINE

SARA 313 Emission reporting/Toxic Release of Chemicals	CERCLA/SARA - Section 302 Extremely Haz	NTP:	IARC:
Not Listed	Not Listed	None	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.

09/27/2013