Denbufylline: sc-203915



MATERIAL SAFETY DATA SHEET

1,3-Di-n-butyl-7-(2-oxopropyl)xanthine

The Power to Question

Identification of the substance/preparation and of the company/undertaking 1.

Denbufylline sc-203915 **Product name** Catalog #

Chemical formula $C_{16}H_{24}N_4O_3$ **Supplier** 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

Composition / information on ingredients 2.

Substance/Preparation : Substance

Chemical name*	CAS No.	EC Number	Symbol	R-Phrases
1,3-Di-n-butyl-7-(2′-oxopropyl)xanthine	57076-71-8	Not available.	-	-

Hazards identification

Physical/chemical hazards : Not applicable.

4. First-aid measures

First-Aid measures

Skin Contact

Synonym

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.

Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

tight clothing such as a collar, tie, belt or waistband.

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at **Eve Contact**

least 15 minutes. Get medical attention.

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Flammability of the Product

: May be combustible at high temperature.

Extinguishing Media

Suitable

: SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous thermal (de)composition: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

Special fire-fighting procedures

: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.

Accidental release measures 6.

Personal precautions

: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Small Spill and Leak

: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary systen

7. Handling and storage

Handling

: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label

Storage

: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 4°C (39.2°F).

Packaging materials

Recommended use : Use original container.

8. Exposure controls/personal protection

Engineering measures

: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures

: Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name
Denbufvlline

Occupational Exposure Limits

Not available.

Personal protective equipment

Skin and body : Lab coat.

Eyes : Safety glasses

Protective Clothing (Pictograms)



Physical and chemical properties

Physical state

Color : White.

Molecular Weight : 320.4 g/mole

Solubility : Easily soluble in methanol.

: Solid.

Flash point : Not available

Explosive properties: Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available

10. Stability and reactivity

Stability

: The product is stable.

Conditions to avoid

: Not available

Hazardous Decomposition Products

: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

11. Toxicological information

RTECS #

: UO8413435

Local effects

Skin irritation

: Not available.

Acute toxicity

: LD50: Not available. LC50: Not available.

Chronic toxicity

: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on

: Not available.

Humans

No specific information is available in our database regarding the other toxic effects of this material for

humans.

Carcinogenic effects : Not available. **Mutagenic effects** Not available **Reproduction toxicity** Not available. **Teratogenic effects** : Not available.

Ecological information 12.

Ecotoxicity : Not available.

Toxicity of the Products of Biodegradation

: The products of degradation are less toxic than the product itself.

Disposal considerations **13.**

Methods of disposal; Waste of residues; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Transport information

International transport regulations

Land - Road/Railway

ADR/RID Class : Not controlled under ADR (Europe).

Sea

IMDG Class : Not controlled under IMDG.

: Not controlled under IATA. **IATA-DGR Class**

Special Provisions for

Transport

Not applicable.

Regulatory information

EU Regulations

: This product is not classified according to the EU regulations. **Risk Phrases**

U.S. Federal Regulations TSCA: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

HCS Classification : Not controlled under the HCS (United States).

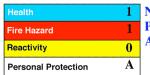
State Regulations

: Not controlled under WHMIS (Canada). WHMIS (Canada)

No products were found.

16. Other information

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Notice to Reader

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.