Dexmedetomidine: sc-207552
MATERIAL SAFETY DATA SHEET

Section 1

Chemical Name	**Dexmedetomidine**	Supplier	**Santa Cruz Biotechnology, Inc.**
Catalog Nbr	**sc-207552**		**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

Section 2 - Hazardous Ingredients/Identity Information

to the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point	**N/A**	Apearance and Odor	**White Solid**
Vapor Pressure	**N/A**	Specific Gravity(H2O=1)	**N/A**
Vapor Density	**N/A**	Melting Point	**146-149°C**
Solubility in Water	**N/A**	Evaporation Rate (Butyl Acetate=1)	**N/A**

Section 4 - Reactive Data

Stability	**stable**	Incompatability (Materials to Avoid)	**Strong oxidizing agents**
Conditions to Avoid	**Strong oxidizers**		
Hazardous Decomposition or Byproducts	**carbon monoxide, carbon dioxide, nitrogen oxides**	Hazardous Polymerization	**will not occur**

Section 5 - Control Measures

Respiratory Protection	**niosh/msha approved respirator**	Ventilation	**hood**
Protective Gloves	**rubber gloves**	Eye Protection	**safety goggles**
Other Protective Clothing	**lab coat/apron**	Other Protection	**safety eye wash**

Section 6 - First Aid Measures

Inhalation	**if inhaled, remove to fresh air. if breathing becomes difficult, call a physician.**
Skin	**in case of skin contact, flush with copious amounts of water for at least 15 minutes. remove contaminated clothing and shoes.**
Ingestion	**in swallowed, wash out mouth with water provided person is conscious. call a physician.**
Eyes	**in case of contact with eyes, flush with copious amounts of water for at least 15 min.. assure adequate flushing by separating eyelids.**

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

α_2-Adrenergic agonist; (+)-isomer of Medetomidine; sedative; analgesic.

Medical Conditions Generally Aggravated by Exposure   to the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated.   exercise due care.

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled   wear protective equipment. sweep up, place in a bag and hold for waste disposal. avoid raising dust. ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method   dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. observe all federal, state and local environmental regulations.

Precautions to Be Taken in Handling and Storage   mechanical exhaust required. do not breath dust. avoid contact with eyes, skin and clothing. keep tightly closed. store in a cool dry place.

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media   water spray. carbon dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures   wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards   Emits Toxic Fumes under Fire Conditions.

Section 10 - Transportation Information and regulatory information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

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.

03/01/2010