



## MATERIAL SAFETY DATA SHEET

This form complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.  
 IDENTITY (As Used on Label and List): **Beraprost (sodium salt)**

### SECTION I - Product Identification Beraprost (sodium salt)

Manufacturer Name and Address:	Telephone #s:	Dates:
Cayman Chemical Company	(800)364-9897	Date Entered: 11/13/2000
1180 E. Ellsworth Rd.		Last Revision: 11/13/2000
Ann Arbor, MI. 48108	(734)971-3335	MSDS Printed: 11/13/2000

Synonyms:  
 2,3,3a,8b-tetrahydro-2-hydroxy-1-(3-hydroxy-4-methyl-1-octen-6-yl)-1H-cyclopenta[b]benzofuran-5-butanoic acid,sodium salt; ML 1129; Procylin; TRK 100  
 Chemical Family: Prostaglandins  
 Hazard Label: Health: 2  
 Molecular Formula: C<sub>24</sub>H<sub>29</sub>O<sub>5</sub>Na Flammability: 0 , Molecular Weight: 420.50 Reactivity: 0

### SECTION II - Hazardous Ingredients/Identity Information Beraprost (sodium salt)

Hazardous Components (Specific Chemical Identity/ Common Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percentage
Beraprost (sodium salt)	88475-69-8				100.0

### SECTION III - Physical/Chemical Characteristics Beraprost (sodium salt)

Boiling Point: NE or NA Specific Gravity (Water = 1): NE or NA Melting Point: 110.0 C Vapor Pressure (mm Hg): . . . NE or NA  
 to: 115.0 C Vapor Density (Air=1):. . . NE or NA Evaporation Rate: . . . . . NE or NA Physical States: [ ] Gas (Butyl Acetate=1)  
 [ ] Liquid Solubility In Water:. . . . \*19 mg/ml at 25.0 C [ X ] Solid \*PBS pH 7.2, sol. in EtOH, DMSO, and DMF Percent  
 Volatile: . . . . . NE or NA Appearance and Odor:  
 A crystalline solid

### SECTION IV - Fire and Explosion Hazard Data Beraprost (sodium salt)

Flash Pt: NE or NA Method Used:

Explosive Limits: LEL: UEL:

Autoignition Pt: NE or NA Extinguishing Media:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Special Fire Fighting Procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:

---

## SECTION V - Reactivity Data Beraprost (sodium salt)

Stability: Unstable [ ] Stable [ X ]

Conditions To Avoid - Instability:

Incompatibility - Materials To Avoid:

Hazardous Decomposition Or Byproducts:

Hazardous Polymerization: May occur [ ] Will not occur [ X ]

Conditions To Avoid - Hazardous Polymerization:

---

## SECTION VI - Health Hazard Data Beraprost (sodium salt)

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other:

Health Hazards (Acute and Chronic):

Contact may cause skin or eye irritation.

The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information:

Recommended Exposure Limits: LD 50/LC 50:

Signs and Symptoms Of Exposure:

Irritating to the skin, eyes, nose, throat, and respiratory tract.

Medical Conditions Generally Aggravated By Exposure:

Emergency and First Aid Procedures:

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

---

## SECTION VII - Precautions for Safe Handling and Use Beraprost (sodium salt)

Steps To Be Taken In Case Material Is Released Or Spilled:

Vacuum or sweep up material and place in disposal container.

