

**Material Safety Data Sheet of**  
**Betamethasone sodium phosphate**

- 1 Section One : Material Identification**
- Product Name : Betamethasone sodium phosphate  
 Common Name : Betamethasone sodium phosphate  
 Chemical Name : 9-fluoro-11 $\beta$ , 17,-dihydroxy-16 $\beta$ -methyl-3,20-dioxopregna- 1,4-diene-21-yl-disodium phosphate. :  
 C<sub>22</sub>H<sub>28</sub>FNa<sub>2</sub>O<sub>8</sub>P
- Empirical Formula : C<sub>22</sub>H<sub>28</sub>FNaO<sub>8</sub>P  
 Intended use : Corticosteroid  
 Manufacturer : Anuh Pharma Ltd.  
 Telephone Number : 23648882/83/84  
 Fax Number : 9122 23684420, 23633900  
 Email NO. : anuh@skageexports.com.  
 PAN No. : AACAA4478PFT001
- 2 Section Two : Composition/Data on component**
- Betamethasone sodium phosphate : Not less than 96.0% and not more than 103.0%
- 3 Section Three : Hazard Identification**
- Hazard description : Danger of causing adrenocortical hyper function & endocrine disorder. If inhaled or swallowed much, can cause digestive system complications, often gastric ulcer. Can skin allergy due contact with skin.
- 4 Section Four : First aid measures**
- Skin contact or inhalation : Wash skin & eye thoroughly with plenty of water & soap. Remove contaminated clothing. If swallowed or inhaled much, wash mouth with copious amount of water & seek medical advice.
- 5 Section Five : Fire fighting measures**
- Flash point : Not available  
 Upper & lower explosion limit : Not available  
 Auto ignition temperature limit : Not available  
 Fire hazard class : Not available  
 Extinguishing media : Extinguish fire with water, fog, foam, CO<sub>2</sub> & dry chemical powder.  
 Specific fire fighting media : As above  
 Unusual fire & explosion hazard : Not known

- 6 Section Six : Accidental release measures**
- Person related safety precautions : Wear protective equipment such as hand gloves, nose mask & safety goggles.
  - Measures for environment protection : Measures for environment protection: Do not allow material to be released to the environment without proper government permits.
  - Measures for cleaning/collecting : Collect the material & dispose off the material as waste. Clean the area with water.
- 7 Section Seven : Handling & storage**
- Information for safe handling : Keep the material in well-closed containers. Use safety.
  - Storage : Keep the material in well-closed container in cool dry place, protected from light.
- 8 Section Eight : Exposure controls & personal protection.**
- Personal protective equipment : The general precautions should be followed. Keep away from foodstuff, beverages & food. Wash hands with water. Wear hand gloves & nose mask while handling of material.
- 9 Section Nine : Physical & chemical properties**
- Physical state : Solid
  - Colour : A white or almost white, hygroscopic powder.
  - Odour : Characteristics
  - Molecular Weight : 516.4
  - Solubility : Freely soluble in water, slightly soluble in alcohol and practically insoluble ether and methylene chloride.
- 10 Section Ten : Stability and reactivity**
- Stability : Stable for 3 year under optimum condition of storage
  - Materials to be avoided : Not known
  - Dangerous reactions : No such reaction known.
  - Hazardous decomposition products : Not known

- 11 Section Eleven** : **Toxicological information**  
Primary effect : Allergic to skin and hypertension.
- 12 Section Twelve** : **Toxicological information**  
General notes : Do not allow material to be released to the environment without proper government permits.
- 13 Section Thirteen** : **Disposal considerations**  
General notes : Consult state, local or national regulations for proper disposal.
- 14 Section Fourteen** : **Transport information**  
General notes : No specific transportation required, normal transportation facilities could be used.
- 15 Section Fifteen** : **Regulations**  
Risk : Can cause damage to health such as skin allergy by exposure through inhalation, in contact with skin.  
Safety : When using do not eat or drink. After contact with skin, wash with water. Wear suitable protective clothing, gloves and nose mask
- 16 Section Sixteen** : **Regulations**  
Risk : Can cause damage to health such as skin allergy by exposure through inhalation, in contact with skin.  
Safety : QC Incharge prepares this MSDS on 10<sup>th</sup> March 2003.