

**93179-BETAMETHASONE DIPROPIONATE****1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION.****1.1 Identification of the substance or preparation.**

Name: Betamethasone dipropionate

Bulk code: 93179

**1.2 Synonyms.**

Betamethasone dipropionate; 17,21-betamethasone dipropionate; 17 $\alpha$ ,21-betamethasone dipropionate; 17,21-flubenisolone dipropionate.

**2. DESCRIPTION**

Appearance: Powder.

Colour: White or creamy white

Smell: Odourless

**3. COMPOSITION/INFORMATION ON COMPONENTS.**Formula:  $C_{28}H_{37}FO_7$ 

Molecular weight: 504.6 g/mol

**4. PHYSICO-CHEMICAL DATA.**

See detailed specifications in analysis bulletin.

**Solubility:** Practically insoluble in water, slightly soluble in ethanol (96%), readily soluble in acetone, chloroform and methylene chloride.

**Melting point:** 170 – 179 °C.

**5. PROPERTIES/USES.**

ACTIVE PHARMACEUTICAL INGREDIENT.

Betamethasone dipropionate (17, 21) is a betamethasone salt which has the same general effects as betamethasone, but the physico-chemical properties of betamethasone dipropionate favour its absorption into the skin.

Betamethasone dipropionate (17, 21) is thermolabile and therefore has to be used in cold formulations. It is also photosensitive.

Approximately 1.3 mg betamethasone dipropionate is equivalent to 1 mg of betamethasone.

**93179-BETAMETHASONE DIPROPIONATE****6. DOSAGE.**

Topical use: In the form of creams, lotions and ointments, at a typical concentration of 0.05-0.2 %, in the treatment of various skin disorders such as contact, atopic and seborrhoeic dermatitis, eczema, granuloma annulare, lichen planus, lupus erythematosus, localised neurodermatitis, anogenital pruritus, psoriasis and insect bites, and the concentration may be increased to 0.5 % for short courses of treatment. The use of occlusive excipients increases its action.

**7. REMARKS.****STORAGE:**

Store at room temperature ( $25\pm 2^{\circ}\text{C}$ ), in hermetically sealed containers, in a dry place away from light.

**8. BIBLIOGRAPHY.**

Monografías Farmacéuticas. COF Alicante, 1998.