**Dimis®**

**Description:** Dimis® (Diclofenac Sodium/Misoprostol) is a combination product containing diclofenac sodium, a nonsteroidal anti-inflammatory drug (NSAID), and misoprostol, a synthetic prostaglandin E1 analog. It is indicated for the treatment of osteoarthritis or rheumatoid arthritis in patients at high risk of developing NSAID-induced gastric and duodenal ulcers, and for prevention of gastric and duodenal ulcers in patients receiving oral corticosteroids or anticoagulants.

**Actions:**
- **Pharmacodynamics:** Diclofenac sodium inhibits prostaglandin synthesis by blocking cyclooxygenase enzymes. Misoprostol protects the gastric mucosa by stimulating the production of prostaglandins, which are naturally present in the stomach lining.
- **Pharmacokinetics:** Diclofenac sodium is absorbed efficiently after oral administration. Misoprostol is absorbed through the gastrointestinal tract and is rapidly metabolized in the liver.

**Indications:**
- **Osteoarthritis and Rheumatoid Arthritis:** The recommended dosage is Dimis® 50mg/200mcg tid or qid. For patients who experience intolerance, Dimis® 75mg/200mcg can be used.
- **Prevention of Gastric and Duodenal Ulcers:** In patients receiving oral corticosteroids or anticoagulants, the recommended dosage is Dimis® 50mg/200mcg tid. For patients who experience intolerance, Dimis® 75mg/200mcg can be used.

**Precautions:**
- **Hypersensitivity:** Dimis® should be discontinued at the first appearance of skin rash or any other sign of hypersensitivity.
- **Serious Skin Adverse Events:** Patients should be informed about the signs and symptoms of serious skin manifestations and use of this drug should be discontinued in patients with the appearance of rash or other signs of hypersensitivity.
- **Birth Defects:** Dimis® is associated with an increased risk of birth defects in pregnant women. Use during pregnancy should only be considered if the potential benefit justifies the potential risk to the fetus.

**Contraindications:**
- **Hypersensitivity to Dimis® components:** Use should be avoided in patients with a history of hypersensitivity reactions to either component.
- **Hepatic and Renal Impairment:** Use with caution in patients with severe hepatic or renal impairment.

**Adverse Effects:**
- **Gastrointestinal:** Gastric ulceration, bleeding, and perforation.
- **Liver:** Hepatic failure.
- **Respiratory:** Asthma.
- **Cardiovascular:** Fluid retention and edema.
- **Hematological:** Anemia.
- **Cutaneous:** Rash, exfoliative dermatitis, Stevens-Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN).
- **Central Nervous System:** Headache, dizziness, and somnolence.

**Interactions:**
- **Drug Interactions:**
  - **Anticoagulants:** Increased risk of bleeding.
  - **Corticosteroids:** Increased risk of gastric ulceration.
  - **Aspirin:** Decreased efficacy of misoprostol.

**Dosing Information:**
- **Dimis® 50mg/200mcg Tablets:** Available in 20's Alu-Alu blister pack.
- **Dimis® 75mg/200mcg Tablets:** Available in 20's Alu-Alu blister pack.

**Packaging and Storage:**
- **Dimensions:** 595.3x841.9
- **Compliance:** 100%
- **Expiration:** 36 months

**Additional Information:**
- **Safety:** Use under medical supervision.
- **Nursing:** Use with caution in breastfeeding mothers.
- **Pediatric Use:** Safety and effectiveness in pediatric patients have not been established.
- **Geriatric Use:** Dose adjustment is recommended for patients with age-related renal impairment.

**Presentations:**
- **Dimis® 50mg/200mcg Tablets:** Available in 20's Alu-Alu blister pack.
- **Dimis® 75mg/200mcg Tablets:** Available in 20's Alu-Alu blister pack.

**Contact Information:**
- **Genix Pharma Private Limited:**
  - **Address:** 44,45-B, Korangi Creek Road, Karachi-75190, Pakistan
  - **Website:** www.genixpharma.com
  - **E-mail:** info@genixpharma.com

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**Diclofenac Sodium BP**

**Presentation:** Tablets, 50mg and 75mg.

**Pharmacology:** Diclofenac sodium has anti-inflammatory, analgesic, and antipyretic effects by inhibiting prostaglandin synthesis.

**Hepatic Effects:** Anemia is sometimes seen in patients receiving misoprostol or other prostaglandins.

**Cardiovascular Effects:** Diclofenac sodium has been found in the serum of patients treated with NSAIDs, indicating its systemic absorption.

**Warnings:** Diclofenac sodium has been associated with an increased risk of cardiovascular events, particularly in patients with cardiovascular risk factors.

**Contraindications:** Use with caution in patients with cardiovascular disease.

**Adverse Effects:**
- **Gastrointestinal:** Gastric and duodenal ulceration, bleeding, and perforation.
- **Hypertension:** Fluid retention and edema.
- **Hematological:** Anemia.
- **Respiratory:** Asthma.
- **Central Nervous System:** Headache, dizziness, and somnolence.

**Interactions:**
- **Drug Interactions:**
  - **Anticoagulants:** Increased risk of bleeding.
  - **Corticosteroids:** Increased risk of gastric ulceration.
  - **Aspirin:** Decreased efficacy of misoprostol.

**Dosing Information:**
- **Diclofenac Sodium BP 50mg Tablets:** Available in 20's Alu-Alu blister pack.
- **Diclofenac Sodium BP 75mg Tablets:** Available in 20's Alu-Alu blister pack.

**Packaging and Storage:**
- **Dimensions:** 595.3x841.9
- **Compliance:** 100%
- **Expiration:** 36 months

**Additional Information:**
- **Safety:** Use under medical supervision.
- **Nursing:** Use with caution in breastfeeding mothers.
- **Pediatric Use:** Safety and effectiveness in pediatric patients have not been established.
- **Geriatric Use:** Dose adjustment is recommended for patients with age-related renal impairment.

**Presentations:**
- **Diclofenac Sodium BP 50mg Tablets:** Available in 20's Alu-Alu blister pack.
- **Diclofenac Sodium BP 75mg Tablets:** Available in 20's Alu-Alu blister pack.

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**Misoprostol**

**Presentation:** Tablets, 200mcg.

**Pharmacology:** Misoprostol produces a moderate decrease in pepsin concentration during basal conditions, but its effect on acid secretion is variable.

**Hepatic Effects:** In clinical trials, misoprostol has been associated with a small increase in liver enzymes.

**Cardiovascular Effects:** Studies have suggested that misoprostol may cause a decrease in systolic blood pressure.

**Warnings:** Misoprostol has been associated with a small increase in the risk of bleeding.

**Contraindications:** Use with caution in patients with a history of peptic ulcer disease.

**Adverse Effects:**
- **Gastrointestinal:** Gastric and duodenal ulceration, bleeding, and perforation.
- **Hypertension:** Fluid retention and edema.
- **Hematological:** Anemia.
- **Respiratory:** Asthma.
- **Central Nervous System:** Headache, dizziness, and somnolence.

**Interactions:**
- **Drug Interactions:**
  - **Anticoagulants:** Increased risk of bleeding.
  - **Corticosteroids:** Increased risk of gastric ulceration.
  - **Aspirin:** Decreased efficacy of misoprostol.

**Dosing Information:**
- **Misoprostol 200mcg Tablets:** Available in 20's Alu-Alu blister pack.

**Packaging and Storage:**
- **Dimensions:** 595.3x841.9
- **Compliance:** 100%
- **Expiration:** 36 months

**Additional Information:**
- **Safety:** Use under medical supervision.
- **Nursing:** Use with caution in breastfeeding mothers.
- **Pediatric Use:** Safety and effectiveness in pediatric patients have not been established.
- **Geriatric Use:** Dose adjustment is recommended for patients with age-related renal impairment.

**Presentations:**
- **Misoprostol 200mcg Tablets:** Available in 20's Alu-Alu blister pack.

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