#### IBUPROFEN - ibuprofen tablet, film coated Rebel Distributors Corp

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#### Ibuprofen Tablets, USP

#### Cardiovas cular Risk

- NSAIDs may cause an increased risk of serious cardiovascular thrombotic events, myocardial infarction, and stroke, which can be fatal. This risk may increase with duration of use. Patients with cardiovascular disease or risk factors for cardiovascular disease may be at greater risk (See **WARNINGS**).
- Ibuprofen tablets are contraindicated for treatment of peri-operative pain in the setting of coronary artery bypass graft (CABG) surgery (see **WARNINGS**).

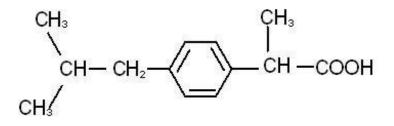
#### Gas trointes tinal Risk

• NSAIDs cause an increased risk of serious gastrointestinal adverse events including bleeding, ulceration, and perforation of the stomach or intestines, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients are at greater risk for serious gastrointestinal events. (See **WARNINGS**).

#### DESCRIPTION

Ibuprofen tablets contain the active ingredient ibuprofen, which is  $(\pm) - 2 - (p - isobutylphenyl)$  propionic acid. Ibuprofen is a white powder with a melting point of 74-77°C and is very slightly soluble in water (< 1 mg/mL) and readily soluble in organic solvents such as ethanol and acetone.

The structural formula is represented below:



Ibuprofen tablets, a nonsteroidal anti-inflammatory drug (NSAID), is available in 400 mg, 600 mg, and 800 mg tablets for oral administration. Inactive ingredients: microcrystalline cellulose, copovidone (plasdone-S630), sodium starch glycolate, colloidal silicon dioxide, magnesium stearate, opadry white (OY-LS-58900), polysorbate 80.

#### **CLINICAL PHARMACOLOGY**

Ibuprofen tablets contain ibuprofen which possesses analgesic and antipyretic activities. Its mode of action, like that of other NSAIDs, is not completely understood, but may be related to prostaglandin synthetase inhibition.

In clinical studies in patients with rheumatoid arthritis and osteoarthritis, ibuprofen tablets have been shown to be comparable to aspirin in controlling pain and inflammation and to be associated with a statistically significant reduction in the milder gastrointestinal side effects (see **ADVERSE REACTIONS**). Ibuprofen tablets may be well tolerated in some patients who have had gastrointestinal side effects with aspirin, but these patients when treated with ibuprofen tablets should be carefully

followed for signs and symptoms of gastrointestinal ulceration and bleeding. Although it is not definitely known whether ibuprofen tablets causes less peptic ulceration than aspirin, in one study involving 885 patients with rheumatoid arthritis treated for up to one year, there were no reports of gastric ulceration with ibuprofen tablets whereas frank ulceration was reported in 13 patients in the aspirin group (statistically significant p < .001).

Gastroscopic studies at varying doses show an increased tendency toward gastric irritation at higher doses. However, at comparable doses, gastric irritation is approximately half that seen with aspirin. Studies using <sup>51</sup>Cr-tagged red cells indicate that fecal blood loss associated with ibuprofen tablets in doses up to 2400 mg daily did not exceed the normal range, and was significantly less than that seen in aspirin-treated patients.

In clinical studies in patients with rheumatoid arthritis, ibuprofen tablets have been shown to be comparable to indomethacin in controlling the signs and symptoms of disease activity and to be associated with a statistically significant reduction of the milder gastrointestinal (see **ADVERSE REACTIONS**) and CNS side effects.

Ibuprofen tablets may be used in combination with gold salts and/or corticosteroids.

Controlled studies have demonstrated that ibuprofen tablets are a more effective analgesic than propoxyphene for the relief of episiotomy pain, pain following dental extraction procedures, and for the relief of the symptoms of primary dysmenorrhea.

In patients with primary dysmenorrhea, ibuprofen tablets have been shown to reduce elevated levels of prostaglandin activity in the menstrual fluid and to reduce resting and active intrauterine pressure, as well as the frequency of uterine contractions. The probable mechanism of action is to inhibit prostaglandin synthesis rather than simply to provide analgesia.

The ibuprofen in ibuprofen tablets is rapidly absorbed. Peak serum ibuprofen levels are generally attained one to two hours after administration. With single doses up to 800 mg, a linear relationship exists between amount of drug administered and the integrated area under the serum drug concentration vs time curve. Above 800 mg, however, the area under the curve increases less than proportional to increases in dose. There is no evidence of drug accumulation or enzyme induction.

The administration of ibuprofen tablets either under fasting conditions or immediately before meals yields quite similar serum ibuprofen concentration-time profiles. When ibuprofen tablets are administered immediately after a meal, there is a reduction in the rate of absorption but no appreciable decrease in the extent of absorption. The bioavailability of the drug is minimally altered by the presence of food.

A bioavailability study has shown that there was no interference with the absorption of ibuprofen when ibuprofen tablets were given in conjunction with an antacid containing both aluminum hydroxide and magnesium hydroxide.

Ibuprofen is rapidly metabolized and eliminated in the urine. The excretion of ibuprofen is virtually complete 24 hours after the last dose. The serum half-life is 1.8 to 2.0 hours.

Studies have shown that following ingestion of the drug, 45% to 79% of the dose was recovered in the urine within 24 hours as metabolite A (25%), (+)-2-[*p*-(2hydroxymethyl-propyl)phenyl] propionic acid and metabolite B (37%), (+)-2-[*p*-(2carboxypropyl)phenyl] propionic acid; the percentages of free and conjugated ibuprofen were approximately 1% and 14%, respectively.

# INDICATIONS AND USAGE

Carefully consider the potential benefits and risks of ibuprofen tablets and other treatment options before deciding to use ibuprofen. Use the lowest effective dose for the shortest duration consistent with individual patient treatment goals (see **WARNINGS**).

Ibuprofen tablets are indicated for relief of the signs and symptoms of rheumatoid arthritis and

osteoarthritis.

Ibuprofen tablets are indicated for relief of mild to moderate pain.

Ibuprofen tablets are also indicated for the treatment of primary dysmenorrhea.

Controlled clinical trials to establish the safety and effectiveness of ibuprofen tablets in children have not been conducted.

# CONTRAINDICATIONS

Ibuprofen tablets are contraindicated in patients with known hypersensitivity to Ibuprofen.

Ibuprofen tablets should not be given to patients who have experienced asthma, urticaria, or allergictype reactions after taking aspirin or other NSAIDs. Severe, rarely fatal, anaphylactic-like reactions to NSAIDs have been reported in such patients (see **WARNINGS, Anaphylactoid Reactions**, and **PRECAUTIONS, Preexisting Asthma**).

Ibuprofen tablets are contraindicated for the treatment of peri-operative pain in the setting of coronary artery bypass graft (CABG) surgery (see **WARNINGS**).

## WARNINGS

#### CARDIOVASCULAR EFFECTS

#### Cardiovascular Thrombotic Events

Clinical trials of several COX-2 selective and nonselective NSAIDs of up to three years duration have shown an increased risk of serious cardiovascular (CV) thrombotic events, myocardial infarction, and stroke, which can be fatal. All NSAIDs, both COX-2 selective and nonselective, may have a similar risk. Patients with known CV disease or risk factors for CV disease may be at greater risk. To minimize the potential risk for an adverse CV event in patients treated with an NSAID, the lowest effective dose should be used for the shortest duration possible. Physicians and patients should remain alert for the development of such events, even in the absence of previous CV symptoms. Patients should be informed about the signs and/or symptoms of serious CV events and the steps to take if they occur.

There is no consistent evidence that concurrent use of aspirin mitigates the increased risk of serious CV thrombotic events associated with NSAID use. The concurrent use of aspirin and an NSAID does increase the risk of serious GI events (see **WARNINGS, Gastrointestinal Effects-Risk of Ulceration, Bleeding, and Perforation**).

Two large, controlled clinical trials of a COX-2 selective NSAID for the treatment of pain in the first 10-14 days following CABG surgery found an increased incidence of myocardial infarction and stroke (see **CONTRAINDICATIONS**).

#### Hypertension

NSAIDs including ibuprofen tablets, can lead to onset of new hypertension or worsening of preexisting hypertension, either of which may contribute to the increased incidence of CV events. Patients taking thiazides or loop diuretics may have impaired response to these therapies when taking NSAIDs. NSAIDs, including ibuprofen tablets, should be used with caution in patients with hypertension. Blood pressure (BP) should be monitored closely during the initiation of NSAID treatment and throughout the course of therapy.

#### Congestive Heart Failure and Edema

Fluid retention and edema have been observed in some patients taking NSAIDs. Ibuprofen tablets should be used with caution in patients with fluid retention or heart failure.

# Gastrointestinal Effects - Risk of Ulceration, Bleeding, and Perforation

NSAIDs, including ibuprofen tablets, can cause serious gastrointestinal (GI) adverse events including inflammation, bleeding, ulceration, and perforation of the stomach, small intestine, or large intestine, which can be fatal. These serious adverse events can occur at any time, with or without warning symptoms, in patients treated with NSAIDs. Only one in five patients, who develop a serious upper GI adverse event on NSAID therapy, is symptomatic. Upper GI ulcers, gross bleeding, or perforation caused by NSAIDs occur in approximately 1% of patients treated for 3-6 months, and in about 2-4% of patients treated for one year. These trends continue with longer duration of use, increasing the likelihood of developing a serious GI event at some time during the course of therapy. However, even short-term therapy is not without risk. NSAIDs should be prescribed with extreme caution in those with a prior history of ulcer disease or gastrointestinal bleeding. Patients with a prior history of peptic ulcer *disease and/or gastrointestinal bleeding* who use NSAIDs have a greater than 10-fold increased risk for developing a GI bleed compared to patients treated with neither of these risk factors. Other factors that increase the risk of GI bleeding in patients treated with NSAIDs include concomitant use of oral corticosteroids or anticoagulants, longer duration of NSAID therapy, smoking, use of alcohol, older age, and poor general health status. Most spontaneous reports of fatal GI events are in elderly or debilitated patients and therefore, special care should be taken in treating this population.

To minimize the potential risk for an adverse GI event in patients treated with an NSAID, the lowest effective dose should be used for the shortest possible duration. Patients and physicians should remain alert for signs and symptoms of GI ulcerations and bleeding during NSAID therapy and promptly initiate additional evaluation and treatment if a serious GI event is suspected. This should include discontinuation of the NSAID until a serious GI adverse event is ruled out. For high-risk patients, alternate therapies that do not involve NSAIDs should be considered.

# **Renal Effects**

Long-term administration of NSAIDs has resulted in renal papillary necrosis and other renal injury. Renal toxicity has also been seen in patients in whom renal prostaglandins have a compensatory role in the maintenance of renal perfusion. In these patients, administration of a NSAID may cause a dosedependent reduction in prostaglandin formation and, secondarily, in renal blood flow, which may precipitate overt renal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, heart failure, liver dysfunction, those taking diuretics and ACE inhibitors, and the elderly. Discontinuation of NSAID therapy is usually followed by recovery to the pretreatment state.

# Advanced Renal Disease

No information is available from controlled clinical studies regarding the use of ibuprofen tablets in patients with advanced renal disease. Therefore, treatment with ibuprofen tablets is not recommended in these patients with advanced renal disease. If ibuprofen tablet therapy must be initiated, close monitoring of the patients renal function is advisable.

# Anaphylactoid Reactions

As with other NSAIDs, anaphylactoid reactions may occur in patients without known prior exposure to ibuprofen tablets. Ibuprofen tablets should not be given to patients with the aspirin triad. This symptom complex typically occurs in asthmatic patients who experience rhinitis with or without nasal polyps, or who exhibit severe, potentially fatal bronchospasm after taking aspirin or other NSAIDs (see **CONTRAINDICATIONS** and **PRECAUTIONS**, **Preexisting Asthma**). Emergency help should be sought in cases where an anaphylactoid reaction occurs.

# Skin Reactions

NSAIDs, including ibuprofen tablets, can cause serious skin adverse events such as exfoliative dermatitis, Stevens-Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN), which can be fatal. These serious events may occur without warning. Patients should be informed about the signs and

symptoms of serious skin manifestations and use of the drug should be discontinued at the first appearance of skin rash or any other sign of hypersensitivity.

### Pregnancy

In late pregnancy, as with other NSAIDs, ibuprofen tablets should be avoided because it may cause premature closure of the ductus arteriosus.

## PRECAUTIONS

#### General

Ibuprofen tablets cannot be expected to substitute for corticosteroids or to treat corticosteroid insufficiency. Abrupt discontinuation of corticosteroids may lead to disease exacerbation. Patients on prolonged corticosteroid therapy should have their therapy tapered slowly if a decision is made to discontinue corticosteroids.

The pharmacological activity of ibuprofen tablets in reducing fever and inflammation may diminish the utility of these diagnostic signs in detecting complications of presumed noninfectious, painful conditions.

#### **Hepatic effects**

Borderline elevations of one or more liver tests may occur in up to 15% of patients taking NSAIDs, including ibuprofen tablets. These laboratory abnormalities may progress, may remain unchanged, or may be transient with continuing therapy. Notable elevations of ALT or AST (approximately three or more times the upper limit of normal) have been reported in approximately 1% of patients in clinical trials with NSAIDs. In addition, rare cases of severe hepatic reactions, including jaundice, fulminant hepatitis, liver necrosis, and hepatic failure, some of them with fatal outcomes have been reported. A patient with symptoms and/or signs suggesting liver dysfunction, or with abnormal liver test values, should be evaluated for evidence of the development of a more severe hepatic reaction while on therapy with ibuprofen tablets. If clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g., eosinophilia, rash, etc.), ibuprofen tablets should be discontinued.

#### Hematological effects

Anemia is sometimes seen in patients receiving NSAIDs, including ibuprofen tablets. This may be due to fluid retention, occult or gross GI blood loss, or an incompletely described effect upon erythropoiesis. Patients on long-term treatment with NSAIDs, including ibuprofen tablets, should have their hemoglobin or hematocrit checked if they exhibit any signs or symptoms of anemia.

In two postmarketing clinical studies the incidence of a decreased hemoglobin level was greater than previously reported. Decrease in hemoglobin of 1 gram or more was observed in 17.1% of 193 patients on 1600 mg ibuprofen daily (osteoarthritis), and in 22.8% of 189 patients taking 2400 mg of ibuprofen daily (rheumatoid arthritis). Positive stool occult blood tests and elevated serum creatinine levels were also observed in these studies.

NSAIDs inhibit platelet aggregation and have been shown to prolong bleeding time in some patients. Unlike aspirin, their effect on platelet function is quantitatively less, of shorter duration, and reversible. Patients receiving ibuprofen tablets who may be adversely affected by alterations in platelet function, such as those with coagulation disorders or patients receiving anticoagulants should be carefully monitored.

#### Preexisting as thma

Patients with asthma may have aspirin-sensitive asthma. The use of aspirin in patients with aspirinsensitive asthma has been associated with severe bronchospasm, which can be fatal. Since cross reactivity, including bronchospasm, between aspirin and NSAIDs has been reported in such aspirinsensitive patients, ibuprofen tablets should not be administered to patients with this form of aspirin sensitivity and should be used with caution in patients with preexisting asthma.

## **Ophthalmological effects**

Blurred and/or diminished vision, scotomata, and/or changes in color vision have been reported. If a patient develops such complaints while receiving ibuprofen tablets, the drug should be discontinued, and the patient should have an ophthalmologic examination which includes central visual fields and color vision testing.

## Aseptic Meningitis

Aseptic meningitis with fever and coma has been observed on rare occasions in patients on ibuprofen therapy. Although it is probably more likely to occur in patients with systemic lupus erythematosus and related connective tissue diseases, it has been reported in patients who do not have an underlying chronic disease. If signs or symptoms of meningitis develop in a patient on ibuprofen tablets, the possibility of its being related to ibuprofen tablets should be considered.

## **Information for Patients**

Patients should be informed of the following information before initiating therapy with an NSAID and periodically during the course of ongoing therapy. Patients should also be encouraged to read the NSAID Medication Guide that accompanies each prescription dispensed.

- Ibuprofen tablets like other NSAIDs, may cause serious CV side effects, such as MI or stroke, which may result in hospitalization and even death. Although serious CV events can occur without warning symptoms, patients should be alert for the signs and symptoms of chest pain, shortness of breath, weakness, slurring of speech, and should ask for medical advice when observing any indicative sign or symptoms. Patients should be apprised of the importance of this follow-up (see **WARNINGS, Cardiovas cular Effects**).
- Ibuprofen tablets, like other NSAIDs, can cause GI discomfort and, rarely, serious GI side effects, such as ulcers and bleeding, which may result in hospitalization and even death. Although serious GI tract ulcerations and bleeding can occur without warning symptoms, patients should be alert for the signs and symptoms of ulcerations and bleeding, and should ask for medical advice when observing any indicative signs or symptoms including epigastric pain, dyspepsia, melena, and hematemesis. Patients should be apprised of the importance of this follow-up (see WARNINGS, Gas trointes tinal Effects Risk of Ulceration, Bleeding and Perforation).
- Ibuprofen tablets, like other NSAIDs, can cause serious skin side effects such as exfoliative dermatitis, SJS and TEN, which may result in hospitalization and even death. Although serious skin reactions may occur without warning, patients should be alert for the signs and symptoms of skin rash and blisters, fever, or other signs hypersensitivity such as itching, and should ask for medical advice when observing any indicative sign or symptoms. Patients should be advised to stop the drug immediately if they develop any type of rash and contact their physicians as soon as possible.
- Patients should promptly report signs or symptoms of unexplained weight gain or edema to their physicians.
- Patients should be informed of the warning signs and symptoms of hepatotoxicity (e.g., nausea, fatigue, lethargy, pruritus, jaundice, right upper quadrant tenderness and "flu-like" symptoms). If these occur, patients should be instructed to stop therapy and seek immediate medical therapy.
- Patients should be informed of the signs of an anaphylactoid reaction (e.g. difficulty breathing, swelling of the face or throat). If these occur, patients should be instructed to seek immediate emergency help (see **WARNINGS**).
- In late pregnancy, as with other NSAIDs, ibuprofen tablets should be avoided because it may cause premature closure of the ductus arteriosus.

# Laboratory Tests

Because serious GI tract ulcerations and bleeding can occur without warning symptoms, physicians should monitor for signs or symptoms of GI bleeding. Patients on long-term treatment with NSAIDs should have their CBC and chemistry profile checked periodically. If clinical signs and symptoms consistent with liver or renal disease develop, systemic manifestations occur (e.g., eosinophilia, rash etc.), or abnormal liver tests persist or worsen, ibuprofen tablets should be discontinued.

### **Drug Interactions**

#### ACE-Inhibitors

Reports suggest that NSAIDs may diminish the antihypertensive effect of ACE-inhibitors. This interaction should be given consideration in patients taking NSAIDs concomitantly with ACE-inhibitors.

## Aspirin

When ibuprofen tablets are administered with aspirin, its protein binding is reduced, although the clearance of free ibuprofen tablets is not altered. The clinical significance of this interaction is not known; however, as with other NSAIDs, concomitant administration of ibuprofen and aspirin is not generally recommended because of the potential for increased adverse effects.

#### Diuretics

Clinical studies, as well as post marketing observations, have shown that ibuprofen tablets can reduce the natriuretic effect-of furosemide and thiazides in some patients. This response has been attributed to inhibition of renal prostaglandin synthesis. During concomitant therapy with NSAIDs, the patient should be observed closely for signs of renal failure (see **WARNINGS, Renal Effects**), as well as to assure diuretic efficacy.

#### Lithium

Ibuprofen produced an elevation of plasma lithium levels and a reduction in renal lithium clearance in a study of eleven normal volunteers. The mean minimum lithium concentration increased 15% and the renal clearance of lithium was decreased by 19% during this period of concomitant drug administration. This effect has been attributed to inhibition of renal prostaglandin synthesis by ibuprofen. Thus, when ibuprofen and lithium are administered concurrently, subjects should be observed carefully for signs of lithium toxicity. (Read circulars for lithium preparation before use of such concurrent therapy.)

#### Methotrexate

NSAIDs have been reported to competitively inhibit methotrexate accumulation in rabbit kidney slices. This may indicate that they could enhance the toxicity of methotrexate. Caution should be used when NSAIDs are administered concomitantly with methotrexate.

#### Warfarin-type anticoagulants

Several short-term controlled studies failed to show that ibuprofen tablets significantly affected prothrombin times or a variety of other clotting factors when administered to individuals on coumarin-type anticoagulants. However, because bleeding has been reported when ibuprofen tablets and other NSAIDs have been administered to patients on coumarin-type anticoagulants, the physician should be cautious when administering ibuprofen tablets to patients on anticoagulants. The effects of Warfarin and NSAIDs on GI bleeding are synergistic, such that the users of both drugs together have a risk of serious GI bleeding higher than users of either drug alone.

#### H-2 Antagonists

In studies with human volunteers, co-administration of cimetidine or ranitidine with ibuprofen had no substantive effect on ibuprofen serum concentrations.

# Pregnancy

### **Teratogenic Effects**

Pregnancy Category C. Reproductive studies conducted in rats and rabbits have not demonstrated evidence of developmental abnormalities. However, animal reproduction studies are not always predictive of human response. There are no adequate and well-controlled studies in pregnant women. Ibuprofen should be used in pregnancy only if the potential benefit justifies the potential risk to the fetus.

#### Nonteratogenic Effects

Because of the known effects of NSAIDs on the fetal cardiovascular system (closure of ductus arteriosus), use during late pregnancy should be avoided.

#### Labor And Delivery

In rat studies with NSAIDs, as with other drugs known to inhibit prostaglandin synthesis, an increased incidence of dystocia, delayed parturition, and decreased pup survival occurred. The effects of ibuprofen tablets on labor and delivery in pregnant women are unknown.

#### **Nursing Mothers**

It is not known whether this drug is excreted in human milk. Because many drugs are excreted in humanmilk and because of the potential for serious adverse reactions in nursing infants from ibuprofen tablets, a decision should be made whether to discontinue nursing or discontinue the drug, taking into account the importance of the drug to the mother.

## Pediatric Use

Safety and effectiveness of ibuprofen tablets in pediatric patients have not been established.

#### Geriatric Use

As with any NSAIDs, caution should be exercised in treating the elderly (65 years and older).

# **ADVERSE REACTIONS**

The most frequent type of adverse reaction occuring with ibuprofen tablets is gastrointestinal. In controlled clinical trials the percentage of patients reporting one or more gastrointestinal complaints ranged from 4% to 16%.

In controlled studies when ibuprofen tablets were compared to aspirin and indomethacin in equally effective doses, the overall incidence of gastrointestinal complaints was about half that seen in either the aspirin- or indomethacin-treated patients.

Adverse reactions observed during controlled clinical trials at an incidence greater than 1% are listed in the table. Those reactions listed in Column one encompass observations in approximately 3,000 patients. More than 500 of these patients were treated for periods of at least 54 weeks.

Still other reactions occurring less frequently than 1 in 100 were reported in controlled clinical trials and from marketing experience. These reactions have been divided into two categories: Column two of the table lists reactions with therapy with ibuprofen tablets where the probability of a causal relationship exists: for the reactions in Column three, a causal relationship with ibuprofen tablets has not been established.

Reported side effects were higher at doses of 3200 mg/day than at doses of 2400 mg or less per day in clinical trials of patients with rheumatoid arthritis. The increases in incidence were slight and still within the ranges reported in the table.

Incidence Greater than 1% (but less than 3%) Probable Causal Relationship	Precise Incidence Unknown (but less than 1%) Probable Causal Relationship <sup>*</sup>	Precise Incidence Unknown (but less than 1%) Causal Relationship Unknown <sup>*</sup>
<b>GASTROINTESTINAL</b> Nausea <sup>†</sup> , epigastric pain <sup>†</sup> , heartburn <sup>†</sup> , diarrhea, abdominal distress, nausea and vomiting, indigestion, constipation, abdominal cramps or pain, fullness of GI tract (bloating and flatulence).	and/or perforation, gastrointestinal hemorrhage, melena, gastritis, hepatitis, jaundice, abnormal liver function tests;	
<b>CENTRAL NERVOUS SYSTEM</b> Dizziness <sup>†</sup> , headache, nervousness	Depression, insomina, confusion, emotional lability, somnolence, aseptic meningitis with fever and coma (See <b>PRECAUTIONS</b> )	Paresthesias, hallucinations, dream abnormalities, pseudotumor cerebri
<b>DERMATOLOGIC</b> Rash <sup>†</sup> (including maculopapular type), pruritus	Vesiculobullous eruptions, urticaria, erythema multiforme, Stevens-Johnson syndrome, alopecia.	Toxic epidermal necrolysis, photoallerigc skin reactions
<b>SPECIAL SENSES</b> Tinnitus	Hearing loss, amblyopia (blurred and/or diminished vision, scotomata and/or changes in color vision) (see <b>PRECAUTIONS</b> )	Conjunctivitis, diplopia, optic neuritis, cataracts
HEMATOLOGIC	Neutropenia, agranulocytosis, aplastic anemia, hemolytic anemia (sometimes Coombs Positive), thrombocytopenia with or without purpura, eosinophilia, decreases in hemoglobin and hematocrit (see <b>PRECAUTIONS</b> )	Bleeding episodes (eg epistaxis, menorrhagia)
<b>METABOLIC/ENDOCRINE</b> Decreased appetite		Gynecomastia, hypoglycemic reaction, acidosis
CARDIOVASCULAR Edema, fluid retention (generally responds promptly to drug discontinuation) (see PRECAUTIONS)	Congestive heart failure in patients with marginal cardiac function, elevated blood pressure, palpitations	Arrhythmias (sinustachycardia, sinus bradycardia)
ALLERGIC	Syndrome of abdominal pain, fever, chills, nausea and vomiting; anaphylaxis; bronchospasm (see	Serum sickness, lupus erythematosus

	CONTRAINDICATIONS)	syndrome.
		Henoch-Schonlein
		vasculitis,
		angioedema
RENAL		
	Acute renal failure (see <b>PRECAUTIONS</b> ),	Renal papillary
	decreased creatinine clearance, polyuria,	necrosis
	azotemia, cystitis, hematuria.	

#### MISCELLANEOUS

Dry eyes and mouth, gingival ulcer, rhinitis

\* Reactions are classified under "*Probable Causal Relationship (PCR)*" if there has been one positive rechallange or if three or more cases occur which might be causally related. Reactions are classified under "*Causal Relationship Unknown*" if seven or more events have been reported but the criteria for PCR have not been met.

<sup>†</sup> Reactions occurring in 3% to 9% of patients treated with ibuprofen. (Those reactions occurring in less than 3% of the patients are unmarked.)

#### OVERDOSAGE

Approximately 1½ hours after the reported ingestion of from 7 to 10 ibuprofen tablets (400 mg), a 19month old child weighing 12 kg was seen in the hospital emergency room, apneic and cyanotic, responding only to painful stimuli. This type of stimulus, however, was sufficient to induce respiration. Oxygen and parenteral fluids were given; a greenish-yellow fluid was aspirated from the stomach with no evidence to indicate the presence of ibuprofen. Two hours after ingestion the child's condition seemed stable; she still responded only to painful stimuli and continued to have periods of apnea lasting from 5 to 10 seconds. She was admitted to intensive care and sodium bicarbonate was administered as well as infusions of dextrose and normal saline. By four hours post-ingestion she could be aroused easily, sit by herself and respond to spoken commands. Blood level of ibuprofen was 102.9 µg/mL approximately 8½ hours after accidental ingestion. At 12 hours she appeared to be completely recovered.

In two other reported cases where children (each weighing approximately 10 kg) accidentally, acutely ingested approximately 120 mg/kg, there were no signs of acute intoxication or late sequelae. Blood level in one child 90 minutes after ingestion was 700 µg/mL—about 10 times the peak levels seen in absorption-excretion studies.

A 19-year old male who had taken 8,000 mg of ibuprofen over a period of a few hours complained of dizziness, and nystagmus was noted. After hospitalization, parenteral hydration and three days bed rest, he recovered with no reported sequelae.

In cases of acute overdosage, the stomach should be emptied by vomiting or lavage, though little drug will likely be recovered if more than an hour has elapsed since ingestion. Because the drug is acidic and is excreted in the urine, it is theoretically beneficial to administer alkali and induce diuresis. In addition to supportive measures, the use of oral activated charcoal may help to reduce the absorption and reabsorption of ibuprofen tablets.

#### DOSAGE AND ADMINISTRATION

Carefully consider the potential benefits and risks of ibuprofen tablets and other treatment options before deciding to use ibuprofen tablets. Use the lowest effective dose for the shortest duration consistent with individual patient treatment goals (see **WARNINGS**).

After observing the response to initial therapy with ibuprofen tablets, the dose and frequency should be adjusted to suit an individual patient's needs.

Do not exceed 3200 mg total daily dose. If gastrointestinal complaints occur, administer ibuprofen

tablets with meals or milk.

# Rheumatoid Arthritis and Osteoarthritis, including Flare-ups of Chronic Disease

Suggested Dosage: 1200 mg-3200 mg daily ( 400 mg, 600 mg or 800 mg tid or qid). Individual patients may show a better response to 3200 mg daily, as compared with 2400 mg, although in well-controlled clinical trials patients on 3200 mg did not show a better mean response in terms of efficacy. Therefore, when treating patients with 3200 mg/day, the physician should observe sufficient increased clinical benefits to offset potential increased risk.

The dose should be tailored to each patient, and may be lowered or raised depending on the severity of symptoms either at time of initiating drug therapy or as the patient responds or fails to respond.

In general, patients with rheumatoid arthritis seem to require higher doses of ibuprofen tablets than do patients with osteoarthritis.

The smallest dose of ibuprofen tablets that yields acceptable control should be employed. A linear blood level dose-response relationship exists with single doses up to 800 mg (See **CLINICAL PHARMACOLOGY** for effects of food on rate of absorption).

The availability of three tablet strengths facilitates dosage adjustment.

*In chronic conditions*, a therapeutic response to therapy with ibuprofen tablets is sometimes seen in a few days to a week but most often is observed by two weeks. After a satisfactory response has been achieved, the patient's dose should be reviewed and adjusted as required.

Mild to moderate pain: 400 mg every 4 to 6 hours as necessary for relief of pain.

In controlled analgesic clinical trials, doses of ibuprofen tablets greater than 400 mg were no more effective than the 400 mg dose.

**Dysmenorrhea:** For the treatment of dysmenorrhea, beginning with the earliest onset of such pain, ibuprofen tablets should be given in a dose of 400 mg every 4 hours as necessary for the relief of pain.

# HOW SUPPLIED

Ibuprofen tablets are available in the following strengths, colors and sizes:

**200 mg:**(white, oval, biconvex film coated tablets embossed '21').

NDC 21695-065-06	Bottles of 06
NDC 21695-065-14	Bottles of 14
NDC 21695-065-30	Bottles of 30
NDC 21695-065-60	Bottles of 60
400 mg:(white, oval, bic	onvex film coated tablets embossed '41').
NDC 21695-066-20	Bottles of 20
NDC 21695-066-30	Bottles of 30
NDC 21695-066-40	Bottles of 40
NDC 21695-066-90	Bottles of 90
600 mg:(white, oval, bic	onvex film coated tablets embossed '61').
NDC 21695-067-20	Bottles of 20
NDC 21695-067-21	Bottles of 21
NDC 21695-067-30	Bottles of 30

NDC 21695-067-40	Bottles of 40
NDC 21695-067-42	Bottles of 42
NDC 21695-067-60	Bottles of 60
NDC 21695-067-90	Bottles of 90
NDC 21695-067-72	Bottles of 120
800 mg:(white, oval, bic	onvex film coated tablets embossed '81').
NDC 21695-068-20	Bottles of 20
NDC 21695-068-21	Bottles of 21
NDC 21695-068-28	Bottles of 28
NDC 21695-068-30	Bottles of 30
NDC 21695-068-40	Bottles of 40
NDC 21695-068-42	Bottles of 42
NDC 21695-068-45	Bottles of 45
NDC 21695-068-60	Bottles of 60
NDC 21695-068-90	Bottles of 90
NDC 21695-068-00	Bottles of 100
NDC 21695-068-72	Bottles of 120
Store at controlled room	temperature 20° to 25°C (68° to 77° F) [see USP].

## Manufactured by:

Dr. Reddy's Laboratories Louisiana. LLC Shreveport, LA 71106

Repackaged by:

Rebel Distributors Corp, DBA Physician Partner

Thousand Oaks, CA 91320

Rev: 11/09

PRINCIPAL DISPLAY PANEL

128 Tablets Lnt + 00000 E-p Date 00/00/00 NDC 21695-085-28 AWP 520 07 Ibudyrofen 800/mg #28 Tablets Rxt Master Lot + 00000 E-p Cattle 00/00/00	00/00	Ibuprofen 800mg     #28     Tablets       Each tablet contains: Ibuprofen 800mg	Ibuprofen 800mg #28 Tablists Rae Maater Lot # 20000 Exp. Dawl, 0000000 NDC 21695-068-28 AVP 525.07	Ibuprofein 800mg #28 Tablets Por Made Lot #00000 Exp Date 0000000 NDC 21685-068-28 AVF 50007
RX/Master	RX Only	Product ID. P1000828 Mr. By Dr. Rekty's Laboratories Lossaana, LLC Shroveport, LA 71	-321.1	-39-97. -

# **IBUPROFEN**

ibuprofen tablet, film coated

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:21695-066(NDC:55111-682)
Route of Administration	ORAL		

Active Ingredient/Active Moiety		
Ingredient Name	<b>Basis of Strength</b>	Strength
IBUPROFEN (UNII: WK2XYI10QM) (IBUPROFEN - UNII:WK2XYI10QM)	IBUPRO FEN	400 mg

Ingredient Name	Strength
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)	
COPOVIDONE (UNII: D9C330MD8B)	
ODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2)	
COLLOIDAL SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
POLYSORBATE 80 (UNII: 6OZP39ZG8H)	

Product Charac			
Color	WHITE	Score	no score
Shape	OVAL	Size	14mm
Flavor		Imprint Code	41
Contains			

Packaging								
# Item Code	Pac	kage Description	Mar	keting Start	Date	Ma	arketing	g End Date
1 NDC:21695-066-20	20 in 1 B	OTTLE						
<b>2</b> NDC:21695-066-30	30 in 1 B	OTTLE						
<b>3</b> NDC:21695-066-40	40 in 1 B	OTTLE						
4 NDC:21695-066-90	90 in 1 B	OTTLE						
Maulating Info								
Marketing Info				• 74 1			34 1	
Marketing Category	ANDA075682	on Number or Monogra	aph Citati	06/10/2	-	art Date	Marke	ting End Dat
ANDA	ANDA075002	2		00/10/2	009			
IBUPROFEN								
buprofen tablet, film o	coated							
Product Information	on							
Product T ype		HUMAN PRESCRIPTION	N DRUG	Item Code (S	ource)	NDC:2169	95-067(N	NDC:55111-68
Route of Administrati								
Route of Auministrau	on	ORAL						
	Active Moi	ety			Da	aia of Stu	ongth	Steenet
Active Ingredient/	Active Moi Ing	ety redient Name	110 O M			sis of Str	ength	Strengtl
Active Ingredient/	Active Moi Ing	ety redient Name	I10 Q M)		Ba IBUPR		ength	Strengt 600 mg
Active Ingredient/	Active Moi Ing	ety redient Name	110 Q M)				ength	-
Active Ingredient// IBUPROFEN (UNII: WK2	Active Moi Ing XYI10QM) (IB	ety redient Name	110 Q M)				ength	-
	Active Moi Ing XYI10QM) (IB	ety redient Name					ength	-
Active Ingredient// IBUPROFEN (UNII: WK2	Active Moi Ing XY110QM) (IB) ts	ety redient Name UPROFEN - UNII:WK2XYI Ingredient Na					ength	600 mg
Active Ingredient/ IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS	Active Moi Ing XYI10QM) (B XYI10QM) (B XYI10QM) (B XYI10QM) (B S XYI10QM) (B XII S XYI10QM) (B XXII S XXII XXII XXII XXII S XXII XXXII XXXIXXXXII XXXXII XXXXII XXXXII XXXXXX	ety redient Name UPROFEN - UNII:WK2XYI Ingredient Na 2 (UNII: OP1R32D6 1U)	ıme				ength	600 mg
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICRO C COPO VIDONE (UNII: DS SODIUM STARCH GLY	Active Moi Ing XYI10QM) (IB1 ts RYSTALLINE 9C330MD8B) COLATE TYF	ety redient Name UPROFEN - UNII: WK2XYI Ingredient Na 3 (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585	ıme				ength	600 mg
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DE SODIUM STARCH GLY COLLOIDAL SILICON	Active Moi Ing XYI10 QM) (IB XYI10 QM) (IB XYI10 QM) (IB XYI10 QM) (IB XYI10 QM) (IB XYI10 QM) (IB XII XYI10 QM) (IB XII XYI10 QM) (IB XII XYI10 QM) (IB XII XYI10 QM) (IB XII XYI10 QM) (IB XYI10 QM)	ety redient Name UPROFEN - UNII:WK2XYI Ingredient Na : (UNII: OP1R32D61U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4)	ıme				ength	600 mg
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT	Active Moi Ing XYI10QM) (IB) XYI10QM) (IB) XYI10QM) (IB) COLATE TYP DIOXIDE (UNI FE (UNII: 7009	ety redient Name UPROFEN - UNII: WK2XYI Ingredient Na C (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 )	ıme				ength	600 mg
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DE SODIUM STARCH GLY COLLOIDAL SILICON	Active Moi Ing XYI10QM) (IB) XYI10QM) (IB) XYI10QM) (IB) COLATE TYP DIOXIDE (UNI FE (UNII: 7009	ety redient Name UPROFEN - UNII: WK2XYI Ingredient Na C (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 )	ıme				ength	600 mg
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT	Active Moi Ing XYI10QM) (IB) XYI10QM) (IB) XYI10QM) (IB) COLATE TYP DIOXIDE (UNI FE (UNII: 7009	ety redient Name UPROFEN - UNII: WK2XYI Ingredient Na C (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 )	ıme				ength	600 mg
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT POLYSORBATE 80 (UN	Active Moi Ing XYI10QM) (IB1 XYI10QM) (IB1 ts colates COLATE TYP DIOXIDE (UN TE (UNII: 7009 NII: 60ZP39ZG	ety redient Name UPROFEN - UNII: WK2XYI Ingredient Na C (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 )	ıme				ength	600 mg
Active Ingredient/ IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT POLYSORBATE 80 (UN	Active Moi Ing XYI10QM) (IB1 XYI10QM) (IB1 ts colates COLATE TYP DIOXIDE (UN TE (UNII: 7009 NII: 60ZP39ZG	ety redient Name UPROFEN - UNII: WK2XYI Ingredient Na C (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 )	56J3G2A2)	COTE			ength	600 mg Strength
Active Ingredient/ IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DE SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT POLYSORBATE 80 (UN Product Character Color	Active Moi Ing XYI10QM) (IB) XYI10QM) (IB) ts ts C30 MD8 B) C0LATE TYF DIO XIDE (UN TE (UNII: 7009 NII: 6 O ZP39 ZG	ety redient Name UPROFEN - UNII:WK2XYI (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 ) 8H)	56J3G2A2)					600 mg Strength
Active Ingredient/ IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT POLYSORBATE 80 (UN Product Character Color Shape	Active Moi Ing XYI10QM) (IB XYI10QM) (IB XYI10QM) (IB ts COLATE TYP DIOXIDE (UN FE (UNII: 7009 VII: 6OZP39ZG 'istics WHITE	ety redient Name UPROFEN - UNII:WK2XYI (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 ) 8H)	ime 56J3G2A2) Sciences Sciences	core			no sco	600 mg Strength
Active Ingredient/A IBUPROFEN (UNII: WK2 Inactive Ingredien CELLULOSE, MICROC COPOVIDONE (UNII: DS SODIUM STARCH GLY COLLOIDAL SILICON MAGNESIUM STEARAT	Active Moi Ing XYI10QM) (IB XYI10QM) (IB XYI10QM) (IB ts COLATE TYP DIOXIDE (UN FE (UNII: 7009 VII: 6OZP39ZG 'istics WHITE	ety redient Name UPROFEN - UNII:WK2XYI (UNII: OP1R32D6 1U) PE A POTATO (UNII: 585 III: ETJ7Z6 XBU4) 7M6 I30 ) 8H)	ime 56J3G2A2) Sciences Sciences	core ize			no sco 17mm	600 mg

2       NDC:21695-067-21        2         3       NDC:21695-067-30        4         5       NDC:21695-067-40        4         6       NDC:21695-067-60        9         7       NDC:21695-067-71        1         8       NDC:21695-067-71        1         Marketing Information         Marketing Category         ANDA       ANDA         ANDA         ANDA         VPROFEN         Variation of Administration	Dication Number or Monograph 075682 HUMAN PRESCRIPTION DRI ORAL	JG Item Coc	<b>Marketing Star</b> 5/10/2009	rt Date Marke	
3       NDC:21695-067-30       3         4       NDC:21695-067-40       4         5       NDC:21695-067-42       4         6       NDC:21695-067-60       9         8       NDC:21695-067-71       12         8       NDC:21695-067-71       12         Marketing Category       A         ANDA       ANDA         ANDA       ANDA         B       UPROFEN         Variation of Administrationation of Administrationationation of Administrationationationation of Administrationation of Administrationation of Administrationation of Administrationation of Administrationation of Administrationationationation of Administrationation of Administrationation of Administrationation of Administration of Admin	0       in 1 BOTTLE       I         0       in 1 BOTTLE       I         2       in 1 BOTTLE       I         0       I       I         0       I       I         0       I       I         0       I       I         0       I       I         0       I       I	JG Item Coc	5/10/2009		NDC:55111-684
4       NDC:21695-067-40       4         5       NDC:21695-067-60       4         6       NDC:21695-067-60       9         7       NDC:21695-067-70       9         8       NDC:21695-067-71       12         Image: Standard Sta	0       in 1 BOTTLE       I         2       in 1 BOTTLE       I         0       in 1 BOTTLE       I         0       in 1 BOTTLE       I         20       in 1 BOTTLE       I	JG Item Coc	5/10/2009		NDC:55111-684
5 NDC:21695-067-42 4   6 NDC:21695-067-60 6   7 NDC:21695-067-90 9   8 NDC:21695-067-71 12   Marketing Information   Marketing Category ANDA   ANDA ANDA   ANDA	2 in 1 BOTTLE	JG Item Coc	5/10/2009		NDC:55111-684
6 NDC:21695-067-60 9   7 NDC:21695-067-70 9   8 NDC:21695-067-71 12   Marketing Information   Marketing Category App   ANDA ANDA	0 in 1 BOTTLE 120 in 1 BOTTLE 20 in	JG Item Coc	5/10/2009		NDC:55111-684
6 NDC:21695-067-60 9   7 NDC:21695-067-70 9   8 NDC:21695-067-71 12   Marketing Information   Marketing Category   ANDA ANDA   IBUPROFEN Product Information Product Type Route of Administration IBUPROFEN (UNII: WK2XY110 Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3"	0 in 1 BOTTLE 120 in 1 BOTTLE 20 in	JG Item Coc	5/10/2009		NDC:55111-684
7       NDC:21695-067-90       9         8       NDC:21695-067-71       13         Marketing Information         Marketing Category       App         ANDA       ANDA         IBUPROFEN         Product Information         Product Information         Administration         Administration	0 in 1 BOTTLE 20 in 1	JG Item Coc	5/10/2009		NDC:55111-684
NDC:21695-067-71 12   Marketing Information API   Marketing Category API   ANDA ANDA   IBUPROFEN Route of Administration IBUPROFEN (UNII: WK2XYIIO)	20 in 1 BOTTLE	JG Item Coc	5/10/2009		NDC:55111-684
Marketing Information Marketing Category App ANDA ANDA IBUPROFEN buprofen tablet, film coated Product Information Product Type Route of Administration Active Ingredient/Active IBUPROFEN (UNII: WK2XY110C)	tion plication Number or Monograph 075682 HUMAN PRESCRIPTION DRI ORAL e Moiety Ingredient Name	JG Item Coc	5/10/2009		NDC:55111-684
Marketing Category       Apple         ANDA       ANDA         ANDA       ANDA         BUPROFEN       buprofen tablet, film coated         buprofen tablet, film coated       Product Information         Product Type       Route of Administration         Active Ingredient/Active       IBUPROFEN (UNII: WK2XY110C)	e Moiety Ingredient Name	JG Item Coc	5/10/2009		NDC:55111-684
Marketing Category       Apple         ANDA       ANDA         ANDA       ANDA         IBUPROFEN       buprofen tablet, film coated         Product Information       Product Type         Route of Administration       Active Ingredient/Active         IBUPROFEN (UNII: WK2XY110C)       Active Ingredient/Active	e Moiety Ingredient Name	JG Item Coc	5/10/2009		NDC:55111-684
ANDA ANDA ANDA	075682 HUMAN PRESCRIPTION DRI ORAL e Moiety Ingredient Name	JG Item Coc	5/10/2009		NDC:55111-684
IBUPROFEN buprofen tablet, film coated Product Information Product Type Route of Administration Active Ingredient/Active	HUMAN PRESCRIPTION DRI ORAL e Moiety Ingredient Name	JG Item Coc		NDC:21695-068(1	
Duprofen tablet, film coated Product Information Product Type Route of Administration Active Ingredient/Active	HUMAN PRESCRIPTION DR ORAL e Moiety Ingredient Name		de (Source)	NDC:21695-068(1	
Duprofen tablet, film coated <b>Product Information</b> <b>Product Type</b> <b>Route of Administration</b> <b>Active Ingredient/Active</b> <b>IBUPROFEN</b> (UNII: WK2XY110C	HUMAN PRESCRIPTION DR ORAL e Moiety Ingredient Name		de (Source)	NDC:21695-068(1	
Product Information Product Type Route of Administration Active Ingredient/Active IBUPROFEN (UNII: WK2XY110C	HUMAN PRESCRIPTION DR ORAL e Moiety Ingredient Name		de (Source)	NDC:21695-068()	
Product Type Route of Administration Active Ingredient/Active IBUPROFEN (UNII: WK2XY110C	ORAL e Moiety Ingredient Name		de (Source)	NDC:21695-068()	
Product Type Route of Administration Active Ingredient/Active IBUPROFEN (UNII: WK2XY110C	ORAL e Moiety Ingredient Name		de (Source)	NDC:21695-068()	
Route of Administration Active Ingredient/Active BUPROFEN (UNII: WK2XYI10C	ORAL e Moiety Ingredient Name		de (Source)	NDC:21695-068()	
Active Ingredient/Active	e Moiety Ingredient Name				
Active Ingredient/Active	e Moiety Ingredient Name				
IBUPROFEN (UNII: WK2XYI10C	Ingredient Name				
IBUPROFEN (UNII: WK2XYI10C	Ingredient Name				
IBUPROFEN (UNII: WK2XYI10C	Ingredient Name				
	•		Basi	is of Strength	Strength
	(M) (IBUPROFEN - UNII: WKZX HIUQ	M	IBUPRO	0	-
Inactive Ingredients		NI)	IBUPRO	JFEIN	800 mg
Inactive Ingredients					
	Ingredient Name				Strength
CELLULOSE, MICROCRYSTA	0				0
COPOVIDONE (UNII: D9C330N					
	FE TYPE A POTATO (UNII: 5856J3)	G2A2)			
COLLOIDAL SILICON DIOXI		/			
MAGNESIUM STEARATE (UNI					
POLYSORBATE 80 (UNII: 602					
	,				
Product Characteristics					
Color WHIT	E	Score		no so	core
	ULE (Caplet)	Size		19 mr	
Flavor	x - · r · · 2	Imprint C	Code	81	
Contains		InprintC	Jour	01	
Contains					
Packaging					

#	Item Code	Package Description	Marketin	ng Start Date M	Marketing End Date			
1	NDC:21695-068-20	20 in 1 BOTTLE						
2	NDC:21695-068-21	21 in 1 BOTTLE						
3	NDC:21695-068-28	28 in 1 BOTTLE						
4	NDC:21695-068-30	30 in 1 BOTTLE						
5	NDC:21695-068-40	40 in 1 BOTTLE						
6	NDC:21695-068-42	42 in 1 BOTTLE						
7	NDC:21695-068-45	45 in 1 BOTTLE						
8	NDC:21695-068-60	60 in 1 BOTTLE						
9	NDC:21695-068-90	90 in 1 BOTTLE						
10	NDC:21695-068-00	100 in 1 BOTTLE						
11	NDC:21695-068-72	120 in 1 BOTTLE						
Marketing Information								
Μ	arketing Category	Application Number or Monogra	ph Citation	Marketing Start Date	Marketing End Date			
AN	DA	ANDA075682		06/10/2009				

Labeler - Rebel Distributors Corp (118802834)

# Establishment

Name	Address	ID/FEI	Business Operations
Rebel Distributors Corp		118802834	repack, relabel

Revised: 12/2009

Rebel Distributors Corp