

## **SUMMARY OF PRODUCT CHARACTERISTICS**

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### 1. NAME OF THE MEDICINAL PRODUCT

Junior Parapaed Paracetamol Oral Suspension 120 mg/5 ml

### 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each 5ml contains 120mg of Paracetamol

#### Excipients:

Liquid Maltitol (E965)	4.25 g/5 ml {equivalent to 3.19 g dry substance}
Ethanol	75 mg/5 ml
Amaranth (E123)	0.1 mg/5 ml

For a full list of excipients, see section 6.1

### 3. PHARMACEUTICAL FORM

Oral Suspension,  
Pink suspension with cherry odour and taste.

### 4. CLINICAL PARTICULARS

#### 4.1 Therapeutic indications

As an analgesic or anti-pyretic in the treatment of teething pain, toothache, headache, migraine, neuralgia, sore throat, feverishness, colds, flu and post-immunisation fever.

#### 4.2 Posology and method of administration

Oral administration.

##### **Paediatric population**

<b>Age</b>	<b>Dose</b>
For post-vaccination fever for babies aged between 2 – 3 months	One 2.5 ml spoonful (small end) If necessary, after 4-6 hours, give a second 2.5 ml dose
<ul style="list-style-type: none"><li>• Do not give to babies less than 2 months of age</li><li>• Do not give more than 2 doses unless your doctor or pharmacist has advised otherwise</li><li>• Leave at least 4 hours between doses</li><li>• If further doses are needed, talk to your doctor or pharmacist</li></ul>	

*Children aged 3 months – 6 years:*

Child's Age	How Much	How often (in 24 hours)
3 – 6 months	One 2.5 ml spoonful (small end)	4 times
6 – 24 months	One 5 ml spoonful (large end)	4 times
2 – 4 years	One 5.0 ml spoonful (large end) and one 2.5 ml spoonful (small end)	4 times
4 –6 years	Two 5 ml spoonfuls (large end)	4 times
<ul style="list-style-type: none"> <li>• Do not give more than 4 doses in any 24 hour period</li> <li>• Leave at least 4 hours between doses</li> <li>• Do not give this medicine to your child for more than 3 days without speaking to your doctor or pharmacist</li> </ul>		

It is important to **shake the bottle** for at least 10 seconds before use.

### 4.3 Contraindications

Hypersensitivity to paracetamol or any of its constituents.

### 4.4 Special warnings and precautions for use

- Do not give with any other paracetamol-containing products.
- Never give more medicine than shown in the table.
- Do not overfill the spoon.
- Always use the spoon supplied with the pack.
- Do not give to babies less than 2 months of age
- For infants 2-3 months no more than 2 doses should be given, unless recommended by a doctor or pharmacist (see section 4.2)
- Do not give more than 4 doses in any 24 hour period.
- Leave at least 4 hours between doses.
- Do not give this medicine to your child for more than 3 days without speaking to your doctor or pharmacist
- As with all medicines, if your child is currently taking any other medicine consult your doctor or pharmacist before taking this product.
- Store below 30 °C. Store in the original package.
- Keep out of the sight and reach of children.

Contains paracetamol. Prolonged use except under medical supervision can be harmful. If symptoms persist, your doctor should be consulted.

Immediate medical advice should be sought in the event of an overdose, even if the patient feels well because of the risk of irreversible liver damage.

Caution is recommended in patients with hepatic and renal impairment or alcohol dependence. The hazard of overdose is greater in those with non-cirrhotic alcoholic liver disease.

Patients with rare hereditary problems of fructose intolerance should not take this medicine. This product contains Liquid Maltitol (E965), Calorific value 2.3 kcal/g. Each 5 ml dose contains 4.25 g {equivalent to 3.19 g dry substance}.

Each 5 ml dose contains 75 mg of 96% ethanol (alcohol), equivalent to 1.8 ml of beer or 0.7 ml of wine. Harmful for those suffering from alcoholism. To be taken into account in pregnant or breast-feeding women, children and high risk groups such as patients with liver disease or epilepsy.

Amaranth (E123) may cause allergic reactions.

#### **4.5 Interaction with other medicinal products and other forms of interaction**

Chronic alcohol intake can increase the hepatotoxicity of paracetamol overdose. Barbiturates, tricyclic antidepressants and acute alcohol intake may decrease the ability to metabolise large doses of paracetamol, the plasma life of which can be prolonged.

Drugs that induce hepatic microsomal enzymes e.g. oral contraceptives and anti-convulsants may increase the metabolism of paracetamol, resulting in decreased plasma concentration and a faster elimination rate of the drug.

Anion-exchange resins: Cholestyramine reduces adsorption of paracetamol

Domperidone and Metoclopramide: Metoclopramide accelerates absorption of paracetamol (enhanced effect).

Anticoagulants: Prolonged regular use of paracetamol possibly enhances warfarin with increased risk of bleeding.

#### **4.6 Fertility, pregnancy and lactation**

Problems in humans have not been documented. However, controlled studies have not been carried out. Risk-Benefit must be considered since paracetamol crosses the placenta and is excreted in breast milk. Epidemiological studies on neurodevelopment in children exposed to paracetamol in utero show inconclusive results. If clinically needed, paracetamol can be used during pregnancy however it should be used at the lowest effective dose for the shortest possible time and at the lowest possible frequency.

#### **4.7 Effects on ability to drive and use machines**

No studies on the effects on the ability to drive and use machines have been performed.

#### **4.8 Undesirable effects**

Side effects at therapeutic doses are rare with most reports of adverse reactions to Paracetamol relating to overdosage of the drug.

Very rare cases of serious skin reactions have been reported.

<b>Blood and lymphatic system disorders</b>	
<i>Very rare (&lt;1/10,000)</i>	Blood disorders, thrombocytic purpura, haemolytic anaemia and agranulocytosis.
<b>Gastrointestinal disorders</b>	
<i>Very rare (&lt;1/10,000)</i>	Acute pancreatitis
<b>Immune system disorders</b>	
<i>Very rare (&lt;1/10,000)</i>	Hypersensitivity
<b>Hepatobiliary disorders</b>	
<i>Very rare (&lt;1/10,000)</i>	Hepatic necrosis
<b>Skin and subcutaneous tissue disorders</b>	
<i>Rare (&lt;1/1,000)</i>	Skin rash
<b>Renal and urinary disorders</b>	
<i>Uncommon (&gt;1/1000, &lt;1/100)</i>	Nephrotoxic effects
<i>Very rare (&lt;1/10,000)</i>	Papillary necrosis

#### Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via HPRA Pharmacovigilance, Earlsfort Terrace, IRL - Dublin 2; Tel: +353 1 6764971; Fax: +353 1 6762517. Website: [www.hpra.ie](http://www.hpra.ie); e-mail: [medsafety@hpra.ie](mailto:medsafety@hpra.ie)

## 4.9 Overdose

As little as 10-15 g may cause severe hepatocellular necrosis and less frequently, renal tubular necrosis. Nausea and vomiting, the only early features of poisoning, usually settle within 24 hours. Persistence beyond this time, often associated with the onset of right subcostal pain and tenderness usually indicates development of hepatic necrosis.

It is thought that excess quantities of toxic metabolite become irreversibly bound to liver tissue. Abnormalities of glucose metabolism and metabolic acidosis may occur. Acute renal failure with acute tubular necrosis may develop even in the absence of severe liver damage. Cardiac arrhythmias and pancreatitis have been reported. Liver damage is maximal 3-4 days after ingestion and may lead to encephalopathy, haemorrhage, hypoglycaemia, cerebral oedema and death.

Immediate treatment is essential in the management of paracetamol overdose. Therefore, despite a lack of significant early symptoms, patients who have taken an overdose of paracetamol should be transferred to hospital urgently. Gastric emptying is carried out if the overdose was taken within 4 hours of hospital admission.

Antidotes such as acetylcysteine and methionine protect the liver if given within 10-12 hours of ingestion; acetylcysteine may also be effective up to and beyond 15 hours but expert advice is essential. Patients at risk of liver damage and therefore requiring treatment can be identified by a single measurement of the plasma-paracetamol concentration, related to the time from ingestion provided this time interval is not less than 4 hours; earlier samples may be misleading.

The concentration is compared against a reference joining plots of 200 mg/litre (1.32 mmol/litre) at 4 hours and 30 mg/litre (0.2 mmol/litre) at 15 hours, on a semi-logarithmic graph.

Those whose concentrations are above the line are treated either with acetylcysteine intravenously or with methionine by mouth. Patients on enzyme-inducing drugs (e.g. carbamazepine, phenobarbitone, phenytoin, rifampicin and alcohol) may develop toxicity at lower plasma-paracetamol concentrations; they should be treated with acetylcysteine if their plasma-paracetamol concentration is 50% or more of the standard reference line. In remote areas, emesis should be induced if the patient presents within 4 hours of the overdose. Methionine (2.5 g) should be given by mouth once vomiting has occurred; it is seldom practical to give acetylcysteine outside hospital. Once the patient reaches the hospital the need to continue treatment with the antidote will be assessed from the plasma-paracetamol concentration (related to the time from ingestion).

## **5. PHARMACOLOGICAL PROPERTIES**

### **5.1 Pharmacodynamic properties**

ATC code: N02BE01

Pharmacotherapeutic group: Other analgesics and antipyretics – Anilides

Paracetamol has analgesic and anti-pyretic properties similar to those of aspirin and is useful in the treatment of mild to moderate pain. It has weak anti-inflammatory effects.

### **5.2 Pharmacokinetic properties**

Paracetamol is rapidly and almost completely absorbed from the gastrointestinal tract. It is rapidly distributed throughout the body and is primarily metabolised by the liver. About 85% is conjugated with glucuronide and sulphate and about 10% is conjugated with glutathione.

Excretion of the biotransformation products is via the kidney. The elimination half-life is approximately 2-3 hours. In overdose, glucuronide pathways become saturated and excess paracetamol is metabolised via the hepatic glutathione pathway. Hepatic glutathione is rapidly depleted and an intermediate hydroxylamine metabolite accumulates and binds to liver proteins causing irreversible damage.

### **5.3 Preclinical safety data**

Conventional studies using the currently accepted standards for the evaluation of toxicity to reproduction and development are not available.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Xanthan gum  
Aluminium magnesium silicate  
Glycerol (E422)  
Liquid maltitol (E965)  
Sodium benzoate (E211)  
Citric acid monohydrate  
Saccharin sodium (E954)  
Polysorbate 80  
Sorbitan Oleate  
Flavour cherry  
Amaranth (E123)  
Ethanol 96%  
Purified water

### **6.2 Incompatibilities**

Not applicable

### **6.3 Shelf Life**

3 years

### **6.4 Special precautions for storage**

Store below 30 °C. Store in the original container to protect from moisture/light.

### **6.5 Nature and contents of container**

#### ***Amber glass bottles:***

70 ml, 100 ml, 140 ml – Over the Counter (in pharmacies only)

150 ml, 200 ml – Prescription only

500 ml, 1000 ml – Dispensing packs

A spoon with a 2.5 ml and 5 ml measure is supplied with the 70 ml-200 ml pack sizes.

#### ***High density polyethylene:***

500 ml, 1000 ml, 2000 ml – Dispensing packs

Not all pack sizes may be marketed

### **6.6 Special precautions for disposal of a medicinal product or waste material derived from such medicinal product and other handling of the product**

No special requirements

## **7. MARKETING AUTHORISATION HOLDER**

Pinewood Laboratories Limited,  
Ballymacarbry,  
Clonmel,  
Co. Tipperary  
Ireland

**8. MARKETING AUTHORISATION NUMBER**

PA 281/2/1

**9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE  
AUTHORISATION**

Date of first authorisation: 01 December 1982

Date of last renewal: 01 December 2008

**10. DATE OF REVISION OF THE TEXT**