instances, e.g. skin eruptions, itching, seldom swelling of the face, difficult breathing, dizziness and hypotension.

7. Interactions with other drugs
None known.

8. Warnings
Not applicable.

9. Principal incompatibilities
None known.

10. Dosage, including single and daily doses
Unless otherwise directed, adults take 5 ml three times daily.
Children of 2 to 5 years of age should take 2.5 ml 3 times daily.
Children of 6 to 12 years of age should take 5 ml 2 times daily.

11. Mode and duration of use
Echinacin® Juice should not be taken without interruption for longer than 8 weeks.

12. Emergency measures, signs and symptoms of overdosage and antidotes
Not applicable.

13. Pharmacological and toxicological properties, pharmacokinetics and bioavailability, insofar as this information is necessary for therapeutic use

13.1 Pharmacological properties
The pressed juice of Echinacea purpurea acts as a non-specific immunostimulant. It produces an activation of monocytes and macrophages, an enhancement of phagocytosis and an increased release of cytokins. This results in an increase in immunocompetent cells (amongst others lymphocytes). Furthermore, the properdin level is raised and hyaluronidase is inhibited.
The active ingredient of Echinacin® Juice thus promotes the body’s defence mechanism.

13.2 Toxicological properties
In acute studies on rats and mice, the pressed juice of Echinacea purpurea practically proved non-toxic. Intravenous doses up to 10 ml/kg or oral doses of 30 ml/kg were tolerated symptom-free.
In a study over 4 weeks, oral doses up to 8 ml/kg did not show any evidence of local or systemic toxic effects.
Tests for genotoxicity carried out in microorganisms, mammalian cells in vitro and mice provided negative results.

14. Other information
Not applicable.

15. Shelf-life
3 years. After opening the medicine is stable for 8 weeks.

16. Special recommendations for storage
Do not store at a temperature exceeding 25°C.

17. Presentation and pack sizes
Original packs containing 100 [N1]ml solution.