

Lipuro[®] – Technology

Good tolerability through
MCT/LCT combination

Product Information

Diazepam-®Lipuro 5 mg/ml emulsion for injection

COMPOSITION

The emulsion for injection contains:

1 ml	5 mg diazepam
in 1 ampoule of 2 ml	10 mg diazepam

Excipients with known effect:

Each 2 ml ampoule contains 200 mg Soya-bean oil, refined and 0.06 mg Sodium.

Excipients:

Soya-bean oil, refined, medium-chain triglycerides, glycerol, egg lecithin, sodium oleate, water for injections.

THERAPEUTIC INDICATIONS

Preparation (premedication) for operations and diagnostic procedures, (e.g. endoscopy) and postoperative medication, immediate treatment of acute tension, excitement, anxiety, restlessness, status epilepticus, tetanus, states of increased muscle tension.

CONTRAINDICATIONS

Hypersensitivity to the active substance, other benzodiazepines, soya, peanut or to any of the excipients, drug dependence, *myasthenia gravis*, severe respiratory insufficiency, sleep apnoea syndrome, severe liver insufficiency, acute alcohol, sedative, analgesic and psychotropic drug intoxication (neuroleptic drugs, antidepressants, lithium).

UNDESIRABLE EFFECTS

The most frequently observed undesirable effects of diazepam are related to its pharmacological effects. Intensity and frequency are dependent on the individual sensitivity of the patient as well as dose-dependent and occur especially at the beginning of therapy. Side effects can mostly be avoided or reduced by careful and individual adaptation of the daily dose and respectively decrease in the course of therapy.

Most common side effect is drowsiness.

Undesirable effects are listed according to their frequencies as follows:

Common:	(≥ 1/100 to < 1/10)
Rare:	(≥ 1/10,000 to < 1/1,000)
Not known:	(cannot be estimated from the available data)

System organ class

Metabolism and nutritional disorders

Rare: Increased appetite

Psychiatric disorders

Common: Stronger sedation than desired over the day, confusion, and anterograde amnesia
Rare: Depressed mood, depression, aggravation of pre-existing depressive disease. If this occurs, the diazepam dose must be reduced for subsequent administrations. Decrease of libido.
Not known: Drug dependence see "Information on particular undesirable effects" below.

Nervous system disorders

Common: Fatigue, (including somnolence, sedation, hypoaesthesia, lengthened reaction times), vertigo, ataxia headache. A "hangover" effect after evening administration of diazepam, i.e., residual sedation, can affect reactivity on the following day
Not known: After high doses dysarthria, more frequent after prolonged administration

Eye disorders

Not known: Vision blurred, (diplopia, nystagmus), more frequent after prolonged administration and/or high doses

Cardiac disorders

Rare: Bradycardia, arrhythmia, cardiac failure*, cardiac arrest*

Vascular disorders

Rare: Hypotension

Respiratory, thoracic and mediastinal disorders

Rare: Laryngospasm; depression of respiration*. The respiratory depressant effect can be more pronounced in the presence of airway obstruction or preexisting cerebral damage. It can generally be avoided by a careful adjustment of the dose for each individual, especially if other medicaments acting on the central nervous system are taken concomitantly.

Gastrointestinal disorders

Rare: Nausea, vomiting, epigastric discomfort, constipation, diarrhoea, dry mouth
Not known: Increased salivation

Hepatobiliary disorders

Rare: Jaundice

Skin and subcutaneous tissue disorders

Rare: Allergic skin reactions (pruritus, urticaria, flush)

Musculoskeletal and connective tissue disorders

Common: Muscle weakness

Renal and urinary disorders

Rare: Urinary retention

Not known: Incontinence

Reproductive system and breast disorders

Rare: In women: Dysmenorrhoea

General disorders and administration site conditions

Rare: I.m. injections: Irritation and pain at the injection site

Not known: Risk of falling, paradoxical drug reaction, drug tolerance, drug withdrawal syndrome see "Information on particular undesirable effects" below.

Investigations

Not known: Increased transaminases and alkaline phosphatase

"During rapid i.v. administration the cardiovascular and respiratory functions may be affected which could lead to a drop in blood pressure, cardiac arrest and respiratory arrest. In particular for children, cardiovascular unstable and elderly patients, supportive measures for cardiovascular and respiratory functions should be available. Injection into a vein that is too small could cause irritation of the vein wall (also thrombophlebitis)."

Information on particular undesirable effects

PARADOXICAL REACTIONS

Patients may experience "paradoxical" reactions such as acute excitement instead of sedation, anxiety, insomnia, outbursts of temper, increased incidence of muscle cramps, or suicidal tendencies. If such reactions occur, treatment with diazepam should be stopped.

WITHDRAWAL SYMPTOMS

Especially following continued daily treatment it is possible that stopping diazepam may produce sleep disturbances and increased dreaming after 2 – 4 days. Anxiety, tension, excitement or internal restlessness may reappear at a higher degree. Symptoms of withdrawal may include trembling and sweating, and proceed to dangerous somatic and psychic reactions such as convulsions and symptomatic psychoses (e.g. withdrawal delirium).

DEPENDENCE, TOLERANCE

Tolerance towards Diazepam-®Lipuro may develop during longer lasting or repeated use of this drug. Diazepam-®Lipuro contains soya-bean oil, which rarely may cause allergic reactions.

WARNINGS

Keep out of the sight and reach of children.
Contains soya-bean oil.

MARKETING AUTHORIZATION HOLDER

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Prescription only

Not all products are registered and approved for sale in all countries or regions. Indications of use may also vary by country and region.

Please contact your country representative for product availability and information.