

Api-Bioxal

solution

POISON

**KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING AND USE
FOR ANIMAL TREATMENT ONLY**

API-BIOXAL SOLUTION (TM)

**ACTIVE CONSTITUENT: 44.2 mg/mL oxalic acid beehive solution (equivalent 62.0 mg/mL oxalic acid dihydrate)
Excipients - glycerol, purified water.**

For the treatment of varroosis caused by parasitic mites (*Varroa destructor*) in honeybees (*Apis mellifera*).

Ready-to-use solution for treatment of honeybees.

DANGER

Causes severe skin burns and eye damage; Corrosive to the respiratory tract; May cause damage to kidneys through prolonged or repeated exposure; Harmful if swallowed; Harmful in contact with skin.

**READ SDS BEFORE
OPENING OR USING**



500 mL

DIRECTIONS FOR USE

Restraints: For in-hive use only. Only to be handled in a well-ventilated area. Apply only when monitoring indicates treatment is required. Consult State/Territory guidelines and/or experts for monitoring protocols and thresholds for treatment. DO NOT mix or use simultaneously with other veterinary products, including miticides.

Precautions: Use strictly in accordance with the label directions. Do not use simultaneously with other acaricides. All colonies in the same apiary should be treated simultaneously to avoid reinfestations. Avoid disturbance to the hives during the days after the treatment. For greatest efficacy, the product should only be used when the quantity of brood in the colony is non-existent or at its lowest levels. Oxalic acid does not penetrate wax so will not kill mites within capped brood and therefore the presence of brood may noticeably reduce the efficacy of the product. The product should be used in winter or following manipulation of the colony to produce a broodless state in summer (e.g. by queen caging) with a caging period of at least 25 days. Even with treatment, seriously damaged colonies may not survive due to the effects of varroa infestation.

Resistance management: Use strictly in accordance with label directions to minimise the risk of the development of strains of mites resistant to oxalic acid from intensive use of Api-Bioxal. It is recommended to use products of other chemical groups for treatment in the spring.

Side effects: Slight agitation is very commonly observed (more than 1 in 10 colonies) during treatment with the product. Increased adult bee mortality is very commonly observed (more than 1 in 10 colonies) after treatment with the product.

Dosage and administration: Supplied as ready-to-use solution. Single 5 mL application per beehive frame, administered using a syringe. Maximal dose 50 mL per beehive. Up to two treatments per year (winter and/or spring-summer season in brood-free colonies). DO NOT overdose.

Method of application: Using a syringe, make a single application by trickling the Api-Bioxal solution across the frames at a rate of 5 mL per frame full of bees.

Timing: Treat hives once in the autumn/early winter period after honey supers have been removed (i.e. all surplus honey has been removed from the hive) when little or no brood is present. The presence of brood may reduce the effectiveness of the control of Varroa mite. A repeat application may cause bee mortality or reduce colony build up in the following spring.

Integrated Pest Management Program: Efficacy may vary between colonies due to the conditions of use (residue presence of brood, temperature, reinfestations etc.). The product should therefore be used as a treatment amongst others within an Integrated Pest Management Program, and mite drop regularly monitored.

WITHHOLDING PERIOD: Honey: Zero (0) days.

SAFETY DIRECTIONS: Warning Statements: May cause allergy (contact dermatitis). **Hazards:** Harmful if swallowed. Will irritate the nose and throat. Will damage eyes and skin. **Precautions:** Avoid contact with eyes and skin. Do not inhale dust or vapour. **Mixing and using instructions:** When opening the container, preparing and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), gauntlet-length chemical resistant gloves and goggles. **After Use:** After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, and contaminated clothing. **Re-entry or Re-handling Statement:** DO NOT perform clean-up and maintenance activities in treated areas/hives unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves and goggles. Clothing must be laundered after each day's use.

FIRST AID INSTRUCTIONS: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

ADDITIONAL USER SAFETY: Additional information is listed in the safety data sheet (SDS) available from the Australian Distributor.

ENVIRONMENTAL PROTECTION: DO NOT contaminate wetlands or watercourses with this product or used containers. ECOTOXIC. Toxic to terrestrial and aquatic life. Chemical not to be applied onto or into water.

DISPOSAL: 500 mL (<1 L) bottles: Dispose of unused product or container by wrapping with paper and putting in garbage.

STORAGE: Do not refrigerate or freeze. Store locked up, in the original sealed package, in a cool, dry place, out of direct sunlight and away from foodstuffs and stockfeed. Keep out of reach of children. Do not use after the expiry date stated on the label. Shelf-life after first opening the container: 12 months.

Marketing Authorization Holder:

CHEMICALS LAIF SPA
Viale dell'Artigianato 13,
35010 Vigonza (PD), Italy.

Expiry Date: <<Month/Year>>

Batch No: <<Enter Batch No>>

Manufactured by:

CHEMIFARMA SPA
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APVMA Permit No: PER94609

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