

## Head Lice: Control and Manage

eco.kid *Lice Bomb* for head lice is an organic, pure essential oil, lice bomb that aids in the removal of head lice and their eggs, while being non-toxic and non-aggressive to kids.

Recent findings have shown that there is a lack of effective head lice products on the market—eco.kid *Lice Bomb* helps remove head lice with essential oils, it does not contain the synthetic pyrethroid chemicals that lice have become resistant to. 80% of head lice have been found to be resistant to pyrethroid chemicals, the main ingredient in many commercial delousing products<sup>1</sup>.

eco.kid *Lice Bomb* has been created from ingredients that are organically certified, plant derived, wild harvested, vapour distilled, readily biodegradable and indigenous to Australia.

### **Background**

A recently published paper in the British Medical Associated journal Archives of Disease in Childhood has shown that 80% of head lice appear resistant to pyrethroid chemicals which are commonly used in delousing treatments. New Scientist states that “The most common weapons against the head louse use chemicals known as pyrethroids and organophosphates, both of which disrupt the creature’s nerves”.<sup>2</sup>

A pyrethroid is a synthetic chemical that kills most insects. Pyrethroids are common in commercial products such as household insecticides and insect repellents. Pyrethroid head lice treatments have been used for some twenty plus years and over this time, head lice globally have become generally resistant to this chemical type.

An organophosphate is the general name for esters of phosphoric acid. They can be found as part of insecticides, herbicides, and nerve gases, amongst others. One type of organophosphate called Methidathion is used in many head lice treatments. Methidathion is listed as an Extremely Dangerous Substance. Organophosphates are also used as fertilisers however these have a slightly different chemical structure to the ones used as insecticides. Even in their use as fertilisers organophosphates raise health concerns in relation to crop dusting etc.

The notion that we are going to submit an entire generation of our kids to a regular daily, weekly or monthly dousing of organophosphates is simply unthinkable. In the early to middle of last century it was commonly thought that a regular delousing with DDT was an acceptable treatment concept. Today DDT is condemned and in most places banned globally.

<sup>1</sup> Journal reference: Archives of Disease in Childhood (DOI: 10.1136/adc.2005.091280)

<sup>2</sup> Head lice forming a resistance movement, June 15, 2006: “<http://www.newscientist.com>”



## Lice Bomb For Head Lice



60ml

**No synthetics**  
**No artificial preservatives**  
**No artificial fragrances**  
**No artificial colouring**  
**No nasties**  
**No itching or scratching**

### **What it is:**

100% naturally derived botanical complex of pure plant oils and essences that aids in the removal of head lice and their eggs.

### **What it does:**

**Lice Bomb** uses natural terpenes and hydrocarbons from high grade essential oils that can normally be ingested safely by humans but have higher solvent powers than chemical paint thinners. These natural solvent oils smell nice to us but not nice for lice.

Due to its plant derived origins, **Lice Bomb** is non-toxic and non-aggressive to humans when used in accordance with manufacturer's instructions.

### **How to use it:**

Apply a small amount of the **Lice Bomb** to the scalp beginning at the nape and behind the ears. Massage the oils through the roots of the hair in an upwards motion moving towards the crown, then towards the forehead. Apply small droplets of oil as required to enable thorough coverage. Pay careful attention not to get the essential oils into the eyes as this will cause stinging (flush thoroughly with cool water if eye contact does occur).

Contains 100% pure essential oils  
and nothing else

Non-drip formula

>99% certified organic/pure plant essences

Once a thin film has been achieved on the entire scalp begin to comb the hair from roots to ends with a fine tooth comb. This will ensure that any head lice trying to escape the solution by travelling up the hair shaft will be removed from the hair and ultimately killed.

Wipe lice and eggs from the fine toothed comb on a tissue as you proceed through the hair. Leave **Lice Bomb** on the hair for up to twenty minutes. Repeat the combing procedure at regular intervals throughout this time.

Rinse from the hair using warm water.

Lightly shampoo with **Prevent Sensitive** to remove the oil's residue from the hair and scalp.

Do not use eco.kid **Prevent** shampoo to cleanse off **Lice Bomb** as **Prevent** shampoo contains high levels of essential oil and therefore a double application of these oils may create stinging of the scalp for a short time.

**Repeat the above procedure after approximately one week to ensure maximum effectiveness.**

Use other eco.kid hair products everyday thereafter to help make hair unattractive for lice.

**When to use it:**

Will assist in the removal of head lice and their eggs.

**When not to use it:**

Head lice infestation often creates an itchy scalp that may create skin sensitivity to essential oils. Always patch test the skin prior to application to assess sensitivity to the product. If sensitivity does occur, rinse immediately with warm water and pour cool milk (soy or cow's milk) liberally over the affected area to soothe the skin (*refer to the "Patch Test" instructions in the 'Usage Guidelines' section on Page 15 of this guide*).

**Results:**

Aids in the removal of head lice and their eggs.

**Is recommended for:**

- aiding in the removal of head lice and their eggs; and
- children over three years old.

**Features:**

- Artificial preservative, artificial fragrance and artificial colouring free.
- Totally plant derived, organically certified and/or wild harvested ingredients.
- Readily biodegradable.
- Waterway friendly.
- Natural solvent oils to assist in effortless rinsing.

**Use on Sensitive Skin:**

To use this treatment on sensitive skin, mix 50% *Lice Bomb* botanical complex with 50% vegetable oil (eg. olive oil, peanut oil, grape seed oil, etc). Apply a small drop of the new vegetable oil blend to the scalp and evaluate the skin sensitivity level. Repeat the patch test procedure described in the 'Usage Guidelines' section of this guide, and continue to dilute oils as described if sensitivity persists.

Use eco.kid *Prevent Sensitive* shampoo to cleanse off eco.kid *Lice Bomb*. Do not use eco.kid *Prevent* shampoo to cleanse off eco.kid *Lice Bomb*... both of these products contain high levels of essential oils and this may result in some skin irritation.

Use other eco.kid hair products from then onwards to help make hair unattractive for head lice.

Avoid eye contact. If contact does occur, flush eyes with cool water until irritation subsides. If irritation occurs after following the sensitive skin remedies described above, discontinue use.

Do not use on children under two years old without medical advice. Pregnant mothers should always seek medical advice before using head lice treatments. USE ONLY AS DIRECTED. For external use only.

