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READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

USE ONLY IN ACCORDANCE WITH INSTRUCTIONS.

KEEP OUT OF REACH OF CHILDREN

ECTOKEEN 300 EC

INGREDIENTS

Chlorfenvinphos30%
Other ingredients70%

ECTOKEEN 300 EC is an emulsifiable concentrate formulation containing 30 percents of the active ingredient Chlorfenvinphos.

Chlorfenvinphos is an organophosphate insecticide which was widely used to control pests such as flies, fleas, and mice. It is not [bioaccumulative] nor is there evidence showing that chronic exposure seem to have negative health effects. Acute effect start 30-60 minutes after exposure and reach their peak after 6-8 hours. These effects are mostly nervous system ailments including headache, dizziness, feelings of anxiety and confusion, and possibly abdominal cramps, convulsions, and passing out. There is also no evidence showing that chlorfenvinphos causes Cancer or reproductive defects in humans.

PRECAUTIONS

Store in original container, tightly closed, away from foodstuffs and under lock and key. Do not eat, drink or smoke while using. Avoid contact with skin, eyes and clothing. Wash splashes of concentrate from skin and eyes immediately. Wear full protective clothing such as impervious gloves, waterproof hat, coat and trousers (worn outside rubber boots) when handling concentrate. Appropriate respiratory and eye protection should also be worn. Wear rubber boots and waterproof apron when handling dilute spray or freshly dipped or sprayed sheep. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Rinse and destroy empty containers. Avoid contamination of any water supply with chemical or empty container. If

spraying with organophosphates for more than 30 hours per month, the user should have regular blood cholinesterase tests.

MEDICAL TREATMENT

If ingested, induce emesis or lavage stomach. Treat symptomatically.

FIRST AID

Eye:

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Skin & Clothing:

Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.

Ingestion:

Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

Inhalation:

Move the person to fresh air. Remove the casualty from further contamination. Fresh air, rest. Artificial respiration may be needed.

Advice to Doctor:

Treat as cholinesterase inhibitor. Atropine sulphate is antidotal.

DIRECTION OF USE

DIRECTIONS FOR SHOWER DIPPING

Continuous Replenishment Showers

	For blowfly protection, lice and keds	For extra high blowfly protection, lice, keds and itchmite
Supply Tank	One litre of concentrate to 1500L of water [1:1500]	One litre of concentrate to 1000L of water [1:1000]

Showers Not Constantly Replenished

	For blowfly protection, lice and keds
Initial Charge	One litre of concentrate to 2000L of water [1:2000]
Replenishment	450mL of concentrate to 500L of water [1:1111]

For non replenishing showers and plunge dipping, maintain a high level of wash in the sump by replenishing with water and concentrate each time the wash level falls by 500L or by 1/5, whichever occurs first.

GENERAL RECOMMENDATIONS for Plunge

and Shower Dipping

1. Mix by pouring concentrate into large volume of water and stirring. Wait until 10 days offshears to allow shear cut wounds to heal. Do not overheat sheep by excessive driving before or after dipping. Avoid subjecting sheep to risk of chill whilst wet with dip. Draft ewes and lambs before dipping. Dip rams before they develop a 'pinked' condition. Ensure that sheep have been vaccinated at least two weeks before dipping. Dip early in the day.

2. As a general rule, not more than one sheep should be dipped per two litres of sump volume without a complete clean out of the sump and recharge with freshly prepared dip. Foul dip wash must be discarded.

3. Performance of this product will be significantly affected if the recommendations to clean out the sump or to replenish the drop in volume as indicated on this label are not followed.

4. Timing: At least 30 seconds immersion for plunge dipping. Sheep should be showered with the top nozzles for 1 minute per week of wool growth but in all cases for a minimum of 4 minutes. Complete saturation of the fleece is essential.

STORAGE CONDITION

Store in original container, tightly closed, away from foodstuffs and out of reach of children. Separated from food and feedstuffs.

Insecticide Storage:

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Combustible liquid formulation which contain solvents maybe flammable. Keep container tightly sealed when not in use. It is very toxic to aquatic organisms. Avoid storage near water supplies, food, feed, seed, fungicides, insecticides and fertilizers to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled follow these steps while wearing protective clothing, safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt and long pants.

DISPOSAL METHODS

Pesticide Disposal:

1. Collect leaking liquid in sealable containers. Do NOT wash away into sewer.
2. Carefully collect remainder, then remove to safe place.
3. DO NOT let this chemical enter the

environment.

4. Chemical protection suit including self-contained breathing apparatus.

Insecticide wastes are toxic. If these wastes cannot be disposed of by use according to label instructions, contact your state insecticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Disposal:

1. Rinse two or three times the empty container that may be decontaminated with water and detergent.
2. Scrub the sides.
3. Dispose of empty containers safely
4. Avoid contamination of any water supply with chemical or empty container.

TOXICOLOGICAL EFFECTS

Toxicology Data:

Technical

Acute Oral LD50 (rat): 20 mg/Kg

Acute Oral LD50 (mouse): 117 mg/Kg

ECOLOGICAL EFFECTS

Ecotoxicity

Assessment: It is very toxic to aquatic organisms and may cause long-term effects in the aquatic environment. Great care, however, should be given to avoid any additional release, e.g. through inappropriate disposal. AVOID Excessive heat and fire.

ENVIRONMENTAL HAZARDS

May leach into soil and underground water. It may also be found in surface waters from rain. Prevent the contamination of the floor and beds of water. It is very toxic to aquatic organisms and may cause long-term effects in the aquatic environment. Great care, however, should be given to avoid any additional release, e.g. through inappropriate disposal. AVOID Excessive heat and fire.

PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Physical State: Emulsifiable Concentration

Color: Yellow/Brown

Odor: Weak inherent smell

Boiling Point: 0.07kPa: 167-170°C

Melting Point: -19 to -23°C

Vapor Pressure: , = <0.001 0.53m Pa:20°C

Evaporation Rate: Not Determined

Density: 1.36

Solubility: Slightly soluble in water, soluble in many organic solvents
Octanol/water partition coefficient as log Pow: 3.82



IVORYCHEM PTE LIMITED
15 Beach Road #02-09
Beach Centre
Singapore 189677
Tel: +65 63377765
Fax: +65 63377730
contact@ivorychem.com
www.ivorychem.com

Company Registration No 200405572W