

## **LABELLING AND PACKAGE LEAFLET**

## **A. LABELLING**

**PARTICULARS TO APPEAR ON THE OUTER PACKAGE**  
**PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE**

**DRUM**  
**POUCH**

**1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

SLICE 2 mg/g premix for medicated feeding stuff.  
In Finland only: SLICE Premix for medicated feeding stuff

**2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES**

Each 2.5 kg pouch of SLICE contains 5 g of emamectin benzoate (equivalent to 2 mg/g) and 0.25 g butylated hydroxyanisole (equivalent to 0.1 mg/g) as a preservative.

**3. PHARMACEUTICAL FORM**

Premix for medicated feeding stuff.  
A white to off-white free flowing powder

**4. PACKAGE SIZE**

2.5 kg pouch  
8 x 2.5 kg

**5. TARGET SPECIES**

Atlantic salmon (*Salmo salar*)

**6. INDICATION(S)**

For the treatment and prevention at group level of infestations of all parasitic stages of sea lice (*Lepeophtheirus* sp. and *Caligus* sp.) on Atlantic salmon (*Salmo salar*) ranging in size from smolts in freshwater (just prior to transfer to seawater) to market weight fish in seawater.

**7. METHOD AND ROUTE(S) OF ADMINISTRATION**

Administer medicated feed to fish at the recommended feeding rate of 0.5% biomass/day for 7 days which will yield a dose rate of 50 micrograms/kg biomass/day. If the feeding rate differs from 0.5% biomass/day, then the concentration of SLICE in feed must be adjusted proportionately. The following table is provided for reference.

<b>Feeding rate (% biomass of fish)</b>	<b>Concentration of emamectin benzoate in feed medicated with SLICE (mg/kg)</b>	<b>Quantity of SLICE per 1,000 kg of medicated feed (kg)</b>	<b>Quantity of SLICE- medicated feed per 1,000 kg of fish per day (kg)</b>
<b>0.25</b>	<b>20.0</b>	<b>10.0</b>	<b>2.5</b>
<b>0.5</b>	<b>10.0</b>	<b>5.0</b>	<b>5.0</b>
<b>1.0</b>	<b>5.0</b>	<b>2.5</b>	<b>10.0</b>
<b>2.0</b>	<b>2.5</b>	<b>1.25</b>	<b>20.0</b>
<b>3.0</b>	<b>1.67</b>	<b>0.833</b>	<b>30.0</b>
<b>4.0</b>	<b>1.25</b>	<b>0.625</b>	<b>40.0</b>

SLICE-medicated fish feed is to be prepared only at commercial fish feed mills and not at fish farms. SLICE is to be coated onto feedstuff of the following type: Extruded cylindrical pellets of varying thickness and length, e.g., 3.5 mm, 5.0 mm, 7.0 mm and 10.0 mm.

Recommended Method of Incorporation:

SLICE may be coated onto the surface of non-medicated fish feed in the following manner:

- a. Standard feed is transported by a conveyor belt to a fractioning sieve where dust and fragments are sorted out.
- b. The sorted pellets are transferred to an intensive mixer.
- c. The pellets are dry-mixed/coated with a pre-determined amount of SLICE for up to 2 minutes.
- d. 0.5% to 1% fish or vegetable oil is added and mixing continued for up to 5 minutes. The added oil seals the premix powder to the feed pellet.
- e. At the completion of mixing, the product is transferred to a feeder tank for packaging into sacks.

The recommended maximum number of marine treatments is 5 per 2 year growth cycle and not more than 3 per 12 month period.

Smolts should only be treated when raised either in tanks or in flowing waterways (see contra-indications).

Smolts should be transferred to seawater 1 - 2 days after the seven day treatment period has ended.

To reduce the possibility of resistance development in sea lice it is recommended that emamectin benzoate is used in integrated control programmes with the following considerations:

- Administration of the correct dosage rate over the full seven day period
- Medication of an appropriate amount of feed to ensure complete and homogeneous consumption
- Careful feeding practices to monitor feeding behaviour
- Use of the product in the absence of any intercurrent disease affecting appetite
- Simultaneous medication of all fish on a site
- Coordination of treatments of all farms in a loch or bay system to reduce cross-infestation

- Use of good management practices such as single age sites, all-in-all-out systems and fallowing between production cycles
- Use in rotation with other authorised therapeutic agents and/or in collaboration with other natural agents such as cleaner fish.

It is important that the level of infestation and the effectiveness of control measures are monitored by routine counting of sea lice stages on samples of representative fish. Counts should be conducted on at least five fish from each of 20% of cages on the farm at weekly intervals in summer and every second week in winter. Treatment should only be initiated when the number of sea lice per fish reaches a level so that effective sea lice population control can be established.

## **8. WITHDRAWAL PERIOD**

Zero days.

To ensure that tissue residues do not exceed the MRL, fish must not be treated more than once in the 60 days prior to the first fish being harvested for human consumption.

## **9. SPECIAL WARNING(S), IF NECESSARY**

Do not use in adult Atlantic salmon intended for broodstock.

Do not use for treatment of smolts in freshwater cages due to potential environmental risks.

Wear gloves, protective work clothing, dust mask and safety glasses with side shields when handling SLICE in the preparation of medicated fish feed.

Wash hands thoroughly with soap and water after handling the product or medicated feed and before eating or smoking.

Do not smoke or eat while handling the medicated feed.

At the recommended dose emamectin benzoate produced no undesirable effects in the clinical trials, apart from a slight reduction in appetite during the medication period in two trials. A change in the source and pellet size of the medicated diet may have contributed to this effect.

Emamectin benzoate administered to Atlantic salmon smolts in freshwater at 5.4 times the recommended dose produced dark skin colouration and incoordination during the treatment period.

Emamectin benzoate administered to Atlantic salmon in seawater at seven times the recommended dose produced lethargy, dark skin colouration and incoordination commencing on the fifth day of medication and inappetence commencing two days after treatment.

Recovery was not evident in the week following treatment, in either fish treated in freshwater or in seawater. There is no known antidote.

## **10. EXPIRY DATE**

<EXP {month/year}>

Shelf life after incorporation into meal or pelleted feed: 6 months  
Do not use after the expiry date stated on this label.

**11. SPECIAL STORAGE CONDITIONS**

This veterinary medicinal product does not require any special storage conditions.

**12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY**

Any unused product or waste materials should be disposed of in accordance with national requirements.

**13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE**

For animal treatment only.

**14. THE WORDS “KEEP OUT OF THE REACH AND SIGHT OF CHILDREN”**

Keep out of the reach and sight of children.

**15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

MSD Animal Health UK Ltd.  
Walton Manor  
Walton  
Milton Keynes  
Buckinghamshire  
MK7 7AJ

**16. MARKETING AUTHORISATION NUMBER(S)**

Vm 01708/3021

**17. MANUFACTURER’S BATCH NUMBER**

<Batch> <Lot> <BN> {number}

**18. NAME AND ADDRESS OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE**

Intervet GesmbH Vienna  
Siemensstrasse 107  
1210 Vienna  
Austria

## **B. PACKAGE LEAFLET**

**NOT APPLICABLE.**