

# Material Safety Data Sheet

PHARMAQ

ALPHA MAX<sup>®</sup>  
26. October 2010

## 1. Product and company identification:

Product Names: ALPHA MAX 10 mg/ml, bath concentrate  
AMX Deltametrina 10 mg/ml, bath concentrate  
Deltametrina 10 mg/ml, bath concentrate

Product Use: Veterinary medicine for sea lice treatment

Manufactured by: PHARMAQ AS  
Skogmo Industriområde  
N-7863 OVERHALLA, Norway  
Telephone: +47 74 28 08 00  
Fax: +47 74 28 08 01

Distributed by: Maritime Veterinary Services Ltd.  
4 Parr Street  
St. Andrews, NB  
ESB 1L6  
**Canada**  
Telephone: 506-529-8858  
Fax: 506-529-8859

PHARMAQ Ltd.  
Unit 15  
Sandleheath Industrial Estate  
Fordingbridge, Hampshire SP6 IPA  
**United Kingdom**  
Telephone: +44 1425 656081  
Fax: +44 1425 655309

PHARMAQ AS Chile Ltda.  
Anibal Pinto # 200, Oficina 61  
Puerto Montt  
**Chile**  
Telephone: +56 65 48 30 91  
Fax: +56 65 48 30 93



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## 2. Composition/information of ingredients:

Ingredient:	Cas-no.	EINECS-no.	Content	Class of hazard
Deltamethrin	52918-63-5	258-256-6	Approx. 1%	T, R25-20-38-50/53
Other ingredients: Isobutyl alcohol			Approx. 0.5%	F, Xi, R37/38-41-67
Solvents classified as irritating:			60-65%	Xi, R36/38

## 3. Hazards identification:

Occupational hazards:	Causes skin and eye irritation by exposure. Hazardous if swallowed. Inhalation of vapour may cause respiratory irritation.
Environmental hazards:	See item 12.

## 4. First aid measures:

Inhalation:	Fresh air and rest. If discomfort occurs or persist, get medical attention.
Skin contact:	Remove contaminated clothes and shoes and wash the skin well with plenty of water. Seek medical attention if irritation or other symptoms persist. Wash clothes and shoes before reuse.
Eye contact:	Rinse immediately with plenty of water in 10 – 15 minutes. Seek medical attention if irritation or other symptoms persist.
Ingestion:	If swallowed, drink two glasses of water to dilute the solution. Induce vomiting and seek medical attention.

## 5. Fire fighting measure:

Extinguishing media:	Use water fog, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames.
Fire fighting procedures:	Wear NIOSH/MSHA approved positive pressure, self contained breathing apparatus and full protective turn out gear. Use caution in approaching fire. Remove containers of this material if it can be done safely. Use water to keep fire exposed containers cool.
Fire and danger of explosion	Not known
Other information	By combustion, poisoning NO <sub>x</sub> gasses are evolved

## 6. Accidental release measures:

Personal precautions:	See item 8.
Environmental precautions:	Do not flush into surface water or sanitary sewage system.
Methods for cleaning up:	Clean up promptly by sweeping or by using an absorbent. Rinse well with large quantities water. Dispose in a manner consistent with local and national regulations.



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## 7. Handling and storage:

Special Sensitivity: Irritating  
Handling: Avoid contact with skin or eyes. Avoid inhalation of vapour. Do not swallow.  
Storage: Store tightly closed in the original packaging material. Keep away from children.

## 8. Exposure controls and personal protection:

Recommended airborne exposure limit for one of the components (approx. 60%), over a period of 8 hours:

50 ppm

### ENGINEERING CONTROLS

Ventilation: Good ventilation necessary. Avoid contact with the product

### PERSONAL PROTECTION

Respiratory type: When concentrated Deltametrin is used in open vessels in closed rooms, respiratory protection with A2 filter is recommended

Glove Materials: Use neoprene or latex gloves

Eye Protection: Safety glasses required

## 9. Physical and chemical properties:

Appearance: Slightly yellow liquid  
Odor: Faintly smell of amines  
Solubility in water (20 °C): Freely soluble in water  
Density (20 °C): 1.04 g/ml  
Flammability: > 100 °C

## 10. Stability and reactivity:

Stable: Yes  
Materials to avoid: Not any known  
Hazardous decomposition products: By combustion, poisoning NO<sub>x</sub> gasses are evolved





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## 11. Toxicological information:

Toxic dose, LD <sub>50</sub> :	No LD <sub>50</sub> data available on this material (LD <sub>50</sub> oral, rat, pure deltamethrin: 138 mg/kg)
Skin contact:	Irritating
Eye contact:	Irritating
Inhalation:	Inhalation of vapour may cause respiratory irritation.

## 12. Ecological information:

Environmental fate:	The impact on the environment is limited in the concentration range Deltamethrin is used for treatment of sea lice. The effect on the environment is temporary and affects only limited amounts of water for a short period. The product is on the other hand toxic to crustaceous animals, and must not be used close to installations where crabs and lobsters are kept (< 200m), or when local sea currents leads to risk of exposure.
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## 13. Disposal considerations:

Waste disposal:	Dispose of in accordance with local and national regulations.
Container disposal:	Dispose of in accordance with local and national regulations.

## 14. Transport information:

Transport, road or train (ADR):	Not regulated
Transport, road or train (RID):	Not regulated
Sea transport (IMDG):	Not regulated
Air transport (ICAO/IATA):	Not regulated

## 15. Regulatory Information:

The product is a veterinary medical product. For veterinary medical products in its original packaging material hazard descriptions are not required. The packaging material is notwithstanding recommended to contain labels with the following R- and S-phrases:

R-Phrases:	R36: Irritating to eyes. R38: Irritating to skin.
S-Phrases:	S36: Wear suitable protective clothing. S37: Wear suitable gloves.



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## 16. Other information

Note: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Explanation, Safety Symbols in item no.2:

T – Poisonous  
F - Extremely flammable  
Xi - Irritant

Explanation to R-Phrases in item no. 15:

R20 - Harmful by inhalation.  
R25 – Toxic if swallowed.  
R38 – Irritating to skin.  
R41 – Risk of serious damage to eyes.  
R67 – Vapours may cause drowsiness and dizziness.  
R36/38 – Irritating to eyes and skin  
R37/38 – Irritating to respiratory system and skin  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

