PRODUCT LITERATURE

ANTIPAIN LINIMENT 25%

Each 100 ml contains

Methyl Salicylate	25% w/v
Contains Alcohol DN	2% v/v

Preservative

Methyl Paraben	0.1% w/v

Product Description
Yellow colour clear liniment with pleasant odour.

Pharmacodynamics properties
Methyl salicylate is absorbed through the skin and relieves pain in rheumatic and other conditions of sprains and muscle stiffness etc.

Pharmacokinetic properties
Methyl salicylate is absorbed through the skin.
It is rapidly hydrolysed to salicylic acid, mainly in the liver and excreted, mainly by the kidney, as salicylic acid, as salicyluric acid, as salicylic phenolic and acyl glucuronide, and as gentisic acid. The excretion is pH dependent with up to 30% being excreted as salicylic acid under alkaline conditions and as low as 2% under acid conditions.
The plasma half- life of salicylates is 2-3 hours.

Indication
For the relief of muscular and rheumatic pains.

Recommended Dose
Apply a little to the affected part and gently massage. To be applied 3 or 4 times a day.

Route of Administration
Topical

Contraindications
Hypersensitivity to salicylate or other components of the preparations.

Warnings and Precautions
This product contains methyl salicylate and when applied or rub on to the skin, can be absorbed through the skin into the blood. For patients taking warfarin, excessive application on to the skin for muscle or joint pains may increase the chances of bleeding.

The product is for external use only and should not be taken by mouth. Contact with eyes, mucous membrane, inflamed or broken skin should be avoided.

Interactions with Other Medicaments
Potentiation of warfarin anticoagulation has been reported following topical application of methyl salicylate.

Pregnancy and Lactation
No significant problems have been reported thought, as with all medicines, it should be used under medical supervision in pregnant or lactating women.

Side Effects
Urticaria and angioedema have been reported in aspirin-sensitive patients.

Symptoms and Treatment of Overdose
As the product is for topical use the likelihood of overdosage due to ingestion is small. Should it occur then treatment includes induction of emesis followed by supportive therapy accompanied by gastric lavage. Charcoal haemoperfusion has been used in the treatment of poisoning with methyl salicylate. As little as 4 ml has caused death in infants.

Packing
Packed in plastic bottle of 100 ml.

Pharmaceutical Precautions
Store below 30^0C in a dry place, protected from direct light.
Keep away from reach of children

FOR EXTERNAL USE ONLY

Expiry Date
2 years from date of manufacture.

Name and Address of Product Registration Holder /Distributor:
ZONTRON PHARMACEUTICALS SDN BHD
(445695-T)
Lot 10 & 11, PERDA Industrial Park,
Lorong IKS Simpang Ampat B,
14100 Simpang Ampat, S.P.S.,
Pulau Pinang, Malaysia

Name and Address of Manufacturer:
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Malaysian Drug Registration No. MAL19950125XC

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