



**PRODUCT INFO  
& DATASHEET**

# NEOMYCIN SULPHATE

## ANTIBIOTIC

### **DESCRIPTION**

A quality competitively-priced NEOMYCIN SULPHATE intended for economical agricultural use:

- in feeds
- in soluble powders
- in liquids

Historically, NEOMYCIN SULPHATE has been compatible with more materials than any known antibiotic.

This agricultural grade of NEOMYCIN SULPHATE has been developed as a lower cost substitute for USP or Technical Grades in commercially prepared products.

### **SPECIFICATIONS**

Appearance	:	tan to dark brown powder, slight odour
Moisture	:	not more than 6 %
pH	:	4.0 - 7.5
Neomycin base (activity)	:	not less than 514 mcg/mg
Sulphated ash content	:	not more than 10 %
Solubility	:	1 g dissolves in not more than 5.0 ml (one teaspoonful) of water
Solution colour (absorbance)	:	absorbance at 420 nm 0.5 - 6.0

### **ADVANTAGES**

NEOMYCIN is active against a very wide spectrum of gram-positive and gram-negative bacterial species. The antibiotic is used in oral preparations or intestinal sterilisation and control of diarrhoea, in topical preparations or control of skin and eye infections, mastitis preparations, and in many non-therapeutic applications. NEOMYCIN remains outstanding among presently available antibiotics in several respects: it is non-irritating, it is essentially non-allergenic, it is stable, and resistant forms of bacteria seldom develop. Because NEOMYCIN is absorbed only to a very limited degree from the skin or gastrointestinal tract (abt. 3 %), neither its oral nor topical use in therapeutic doses results in significant systemic levels. Topical and oral use of NEOMYCIN has been carried out on a very wide-spread basis in human and animal therapy since the drug's introduction in 1949, and the experience has been remarkably free of side effects.

### **USE & DOSAGE**

The average daily dose usually is 11 mg/kg body weight administered orally, or 77 to 154 gm per metric ton of complete feed as the sole ration for affected animals.

<u>Organism</u>	<u>NEOMYCIN mcg/ml required to inhibit a growth</u>
D. pneumoniae	10.00
Str. haemolyticus	10.00
Staph. albus	0.01
Staph. aureus	0.01
Str. faecalis	0.11
B. anthracis	0.02
Aerobacter aerogenes	0.14
S. typhosa	0.03
E. coli	0.11
Pseudomonas aeruginosa	0.33
Br. abortus	0.05
K. pneumoniae	0.10
Proteus vulgaris	0.13
S. schottmulleri	0.11

NEOMYCIN has no significant activity against viruses, protozoa or fungi.

### **PACKING**

Metal drums 25 kg activity (about 30 kg gross).

### **STORAGE & HANDLING**

Should be stored in dry and cool places. NEOMYCIN is active and highly stable in the presence of enzymes, bacteria, products of bacterial growth, intestinal contents and ferments, digestive juices, and under constantly changing pH values. It is also highly stable in the presence of pus and necrotic tissue.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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