

## Product Data Sheet

### Optimin<sup>®</sup> Manganese 15%

#### General

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Optimin Manganese 15% is the product resulting from the chelation of a soluble inorganic manganese salt with amino acids and/or partially hydrolyzed protein. When used as a commercial feed ingredient, it must be declared as the specific metal proteinate: i.e., Manganese Proteinate.

Optimin Manganese 15% is a nutritional feed additive for livestock, fish and companion animal diets and effectively supports the manganese status of the animal.

#### Main Ingredient

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- Manganese proteinate (IFN) 6-16-834

#### Specification

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- Total Manganese min. 15% (guaranteed analysis)
- Moisture max. 8% (in original unopened bag)
- Appearance powder
- Color light cream
- Odor characteristic

#### Recommended Feed Rate

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Optimin Manganese 15% should be fed at a supplementation rate between 25% and 50% of the daily requirement, depending on the basal manganese supply of the feed and on the degree of dietary or physiological challenges to the manganese status.

#### Authorisation

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Trouw Nutrition International B.V., represented as TNI Feed Additives, certifies herewith that the product is a feed ingredient authorized in the USA for use in animal feed.

Trouw Nutrition International B.V. is an approved feed establishment, registration number: αNL 7881.

#### Safety

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Applicable safety information can be found in the Safety Data Sheet.

#### Storage

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Storage: Above -10°C

Shelf life: Two years after production date based on advised storage conditions

## Packaging

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Dry products are generally available in:

- 25 kg net multiple layer paper bags with LDPE inlayer on a pallet
- Big bags

## Contact

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**Trouw Nutrition International BV**  
**represented as TNI Feed Additives**

Jellinghausstraat 24  
5048 AZ Tilburg  
The Netherlands

P.O. Box 4217  
5004 JE Tilburg  
The Netherlands

T: +31 (0)134 680 333  
E: [info@selko.com](mailto:info@selko.com)  
[www.selko.com](http://www.selko.com)

