

Mepron®

Appearance

Almost white, free flowing cylindrical granulate
 Bulk density: 710 kg / m³ ± 10%
 Particle size: Pellets 1.8 x 3–4 mm
 Solubility: Nearly insoluble in water

Specified values

DL-Methionine min. %	85.0
Ash max. %	2.0
Loss on drying max. %	2.0

Production

Mepron® is produced by coating methionine with a protective film.

Use

Mepron® is the rumen-protected source of methionine for ruminants with time-dependent release. Methionine is the amino acid most commonly limiting dairy cows' performance. Mepron® is included into dairy rations to achieve a better amino acid balance. Typical inclusion ranges from 10 to 20 g per cow per day, depending on performance and ration composition.

Nutritional matrix

Rumen bypass	80%
Digestibility	90%
Crude protein (N x 6.25)	50%
Crude fiber	3.0%
Crude fat	1.0%
Crude ash	1.5%
NEL	8.1 [MJ/kg]
	1.94 [Mcal/kg]
	0.88 [Mcal/lb]

Processing

The Mepron® pellet (1.8 x 3–4 mm) containing DL-Methionine is virtually dust-free, has a very high durability and a low loss on drying (max. 2%). Its technical properties result in excellent performance during conveying and in perfect flowability. Mepron® can be mixed homogeneously. The rate of rumen protection is not affected when mixed with potentially abrasive components (mineral mixes), when handled at extremely high ambient temperature or when subjected to low pH (silage). The mechanical stress during transport with common conveyers (screw, elevator, pneumatic transport) has no effects on the rumen protection of Mepron®. Pelletizing of mixtures containing Mepron® is not recommended.

Storage, stability and packaging

Mepron® should be kept cool and dry in unopened original packaging. Storage conditions of 5°–30°C and 20–75% rel. humidity are recommended. Under these conditions, stability and active content are guaranteed for 3 years from manufacturing date on. The manufacturing date is part of the lot number on the package label.

Packaging

Paperbag 2-ply + one line PE-coated, 25 kg net
Bulk bag / FIBC, 1000 kg net.

Regulatory affairs

CAS-No. (DL-Methionine) 59-51-8
Customs tariff number: 230990

Mepron® is approved for use in all ruminant species according to European feed law and is labeled accordingly.

Mepron® is not subject to dangerous goods regulations.

Safety and environment

Mepron® can be handled safely.

According to EU chemicals legislation, it is non-toxic, and, if correctly handled, it does not irritate the skin and mucous membranes. Skin sensitization has never been reported, and is unlikely to occur. Accordingly, it is not classified as a hazardous chemical. The usual regulations for safety and hygiene should be followed.

For additional information, please contact us directly.

This information and all technical and other advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights. Evonik reserves the right to make any changes to information or advice at any time, without prior or subsequent notice. EVONIK DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE), OR OTHERWISE. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. It is the customer's sole responsibility to arrange for inspection and testing of all products by qualified experts. Reference to trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used.

7/2015

Evonik Nutrition & Care GmbH

Animal Nutrition Business Line
animal-nutrition@evonik.com
www.mepron.com