

Rovelan®
(Calcium formate; E 238)

Feed additives / Organic Acids

Properties

Rovelan®, a technological feed additive belonging to the functional group “preservatives”, protects feed against deterioration caused by micro-organisms (e.g. bacteria, moulds, yeasts) or their metabolites.

Rovelan® is the calcium salt of formic acid (value-determinating components: min. 30.5 % calcium, min. 68.5 % formate).

Specification

Parameter	Unit	Specification
Appearance, visual		complies
Fine white / yellowish powder		
Calcium formate content (calculated)	%	≥ 99.0
Formate content	%	≥ 68.5
Calcium content (calculated)	%	≥ 30.5

Specification values are subject to constant monitoring.

Characteristic Data (Physical / Chemical Data)

Parameter	Unit	Value
Moisture content	%	0.1
State of aggregation		solid

Characteristic data provide further information about the product and are not subject to constant monitoring. They are therefore not binding.

Additional Information

Chemical name:	Calcium formate
Totals formula:	$C_2H_2O_4Ca$
Structural formula:	$Ca(HCOO)_2$
EC-registration No.:	E 238
CAS No.:	544-17-2
EINECS No.:	208-863-7
Customs Tariff No.:	291512 00

Undesirable substances

Complies with the Directive 2002/32/EC of the European Parliament and of the Council of 7 May 2002 on undesirable substances in animal feed including the amendments and addenda thereto and with the German Feed Regulation of 24 May 2007 including the amendments and addenda thereto.

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

LANXESS Distribution GmbH Kaiser-Wilhelm-Allee 40 / 51369 Leverkusen, Germany / www.lanxess-distribution.com

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Dosage

Rovelan® being highly effective, we recommend the following dosages:

- | | |
|---|--------------|
| • Stabilization of the gastro-intestinal flora of piglets and broilers: | 0.75 - 1.0 % |
| • Optimization of milk replacers: | 0.5 - 1.5 % |
| • Improving of feed plant fermentation: | 0.3 - 0.6 % |

Storage/Shelf Life

At least 2 years (when stored in a cool, dry place in closed original packaging).

Packaging

- 25 kg paper bags
- 1000 kg big bags
- Silo supply

Labeling

Labeling according to Regulation (EC) 1272/2008 [CLP/GHS]

Hazard symbol



Signal word **Danger**

calcium formate
[544-17-2]

Hazard statement Causes serious eye damage (H318)

Precautionary statements

- | | |
|------------|--|
| Prevention | Wear eye/face protection (P280) |
| Response | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing (P305 + P351 + P338)
Immediately call a POISON CENTER or doctor/physician (P310) |
| Storage | Not applicable |
| Disposal | Not applicable |

See Material Safety Data Sheet for additional information.

Legal Situation

European Union: Complies with the Regulation (EC) No 1831/2003 of 22 September 2003 on additives for use in animal nutrition with its amendments and supplements.

Federal Republic of Germany: Complies with the German Feed Regulation of 24 May 2007 with its amendments and supplements.

Note on the current regulatory situation: The active ingredient "calcium formate (E 238)" is currently being reevaluated in accordance with Article 10 (2) of Regulation (EC) 1831/2003.

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Other international and national registrations, quality assurance systems

- www.feedmaterialsregister.eu: Register nrs. 00815-DE resp. 00816-EN
- Positive List for Straight Feeding Stuffs (Feed Materials): Nr. 11.01.06.
- QS Feedingstuff (QS-ID: 4031735078596)

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