

Active ingredients

Mixture of formic acid and sodium formate

PRD-No.

30286605

Articles

53755025	bulk
56068369	1000 kg IBC

Specification

Content of active substance	61% Formic acid 20.5% Sodium formate
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For further information see separate document: "Standard Specification (not for regulatory purposes)" available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Other chemical and physical data

Water content	18 ± 2%
Formulation	liquid
Density	1,301 kg/m ³ (20 °C)
Flash point	> 110 °C
Electrical conductivity	49,000 µS/cm
Freezing point	< -25 °C
Vapor pressure	12.3 hPa (20 °C) 65.4 hPa (50 °C)
Viscosity	9.3 mPa·s (20 °C)
Solubility in water	fully miscible
Classification	irritant

Estimated energy

Dairy cow MJ NEL	3.6 per kg
Pigs MJ ME	4.2 per kg
Poultry MJ ME	4.2 per kg
Beef cattle MJ ME	4.5 per kg

Stability

36 months if the product is stored correctly.

Applications

Amasil NA is a partly buffered formic acid. Therefore, the product is only irritant, easier to handle, and has a reduced odor compared to pure formic acid.

Based on the very high content of formic acid and sodium formate, Amasil NA is an excellent preservative to inhibit bacteria and yeasts in feed-stuffs. Thus Amasil NA is recommended to improve feed hygiene by reducing microorganisms like Salmonella, E. coli, or Campylobacter in pig and poultry feed and single feed components (dosage 3 – 12 kg/t feed). Amasil NA can also be used as feed acidifier (dosage 3 – 12 kg/t feed).

A special application field is silage treatment. Amasil NA reduces pH and improves silage fermentation under wet and difficult conditions (low dry matter, high protein content of grass silages). Recommended dosage for silage treatment is 3.0 – 4.5 l/t silage.

Up to 60 °C, recommended materials for storage are austenitic chromium/nickel and chromium/nickel/molybdenum steels, materials nos.: 1.4541 and 1.4571.

Dosage recommendation

Please refer to “Organic acids — Formic acid.”

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