

# Lupro-Mix<sup>®</sup> NC

liquid

Animal Nutrition

 **BASF**

The Chemical Company

## Active ingredient

Propionic acid, formic acid, ammonium

Solubility

completely miscible  
with water

## Product number

10205916

## PRD number

30041098

## Specification

Content of active substance	34% propionic acid 5% ammonium propionate 15% formic acid 26% ammonium formate
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## Other chemical and physical data

Composition of product	38% propionic acid 34% formic acid 8% ammonia
Water content	20 ± 2%
Density (20°C)	1,119 kg/m <sup>3</sup>
Appearance	colorless to pale yellow liquid with faint characteristic odor
Boiling range	102 – 222°C
Melting point	-30°C
Solidification temperature	-42.8°C
pH value	approx. 4
Vapor pressure	15 mbar (24°C) 70 mbar (50°C) 700 mbar (103°C)
Flashpoint	non-flammable
Ignition temperature	495°C
Electrical conductivity	48,000 µS/cm
Viscosity	15.78 mPa·s (10°C) 8.83 mPa·s (20°C) 6.484 mPa·s (30°C)

### Areas of applications

Lupro-Mix® NC was especially developed for ensiling corn, corn cob mix, crushed grain and forage. The combination of active substances is balanced and has a pH value of 4 which is optimal for silage.

Lupro-Mix® NC promotes lactic acid fermentation and suppresses the formation of butyric acid. In addition, the aerobic stability of the silage is considerably improved. There is moreover, a reliable preventive effect on secondary fermentation.

Lupro-Mix® NC is accordingly very suitable for treating grass and maize silage throughout and only on the surface.

### Dosage recommendations

#### 1. Treatment throughout

The amount of Lupro-Mix® NC used for treatment throughout depends on the dry matter content of the material to be ensiled.

The following amounts of Lupro-Mix® NC are recommended for optimal ensiling:

Dry matter content of the forage	Lupro-Mix® NC (kg/t forage)
up to 25%	4 kg
25 – 35%	3 kg
above 35%	4 kg

#### 2. Surface treatment

For surface treatment of silage, 1 l Lupro-Mix® NC is diluted with 4 l of water. To treat a layer 40 cm thick, the following amounts should be used, depending on the dry matter content of the material to be ensiled:

Dry matter content of the forage	Lupro-Mix® NC (l/m <sup>2</sup> )
up to 25%	2.4 l
25 – 35%	2.8 l
above 35%	3.2 l