

# Short chain fatty acids in animal nutrition

- C1** Formic acid
- C2** Acetic acid
- C3** Propionic acid
- C4** n-Butyric acid
- C5** Valeric Acid

**Role in animal nutrition**

One of the control measures for treatment of Salmonella.

**Natural resources**

ants

nettles

Producers\*

Eastman Chemical Company u.s.

Perstorp Holding AB Sweden

BASF SE Germany

Luxi China

**Global demand**

700.000 metric tons per year ANIMAL FEED

"THE BAN OF ANTIBIOTIC GROWTH PROMOTERS THAT STARTED IN EUROPE IN 2006, IS THE MAIN DRIVER FOR THE GROWTH IN ANIMAL NUTRITION"

WESTERN EUROPE 62%

GLOBALLY 28%

**C2** Acetic acid

**Natural resources**

plants and fruits

**Role in animal nutrition**

Vinegar, the one everyone has in their household

BP u.s.

Producers\*

Jaingsu Sopo China

Celanese Germany

**Global demand**

17.000.000 metric tons per year

It is used as a solvent, for treatment of the sting of box jellyfish.

**C3** Propionic acid

**Role in animal nutrition**

Grain storage and grain preservation

**Natural resources**

essential oils

Perstorp Holding AB Sweden

Eastman Chemical Company u.s.

The Dow Chemical Company u.s.

Producers

BASF SE Germany

Luxi China

**Global demand**

400.000 metric tons per year

80% PRESERVATION OF FOOD OR ANIMAL FEED

**C4** n-Butyric acid

**Role in animal nutrition**

Gut health regulator for the growing animal

"SMELLS LIKE BABY VOMIT"

"ANIMAL FEED GROWN INTO THE LARGEST APPLICATION"

**Natural resources**

Butter

raw milk

Perstorp Holding AB Sweden

Eastman Chemical Company u.s.

Producers\*

OXEA GmbH Germany

**Global demand**

40-50 k metric tons per year

**C5** Valeric Acid

**Natural resources**

Valerian

**Role in animal nutrition**

Specific action against Clostridium perfringens.

fruity flavors

used in perfumes and cosmetics

Perstorp Holding AB Sweden

Producers\*

OXEA GmbH Germany

The Dow Chemical Company u.s.

**Global demand**

30-35 k metric tons per year

## Locations Producers\*



\* Bron: Fefana, 2013

## Timeline: The history of Perstorp in organic acids

