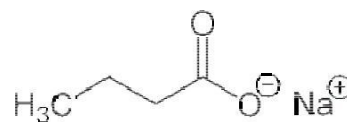


# SODIUM BUTYRATE

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## Product Details

CAS Registry No.	: 156-54-7
Formal Name	: Butanoic acid, sodium salt
Synonym	: Butyric Acid (sodium salt)
MF	: C <sub>4</sub> H <sub>7</sub> O <sub>2</sub> . Na
FW	: 110.1
Purity	: ≥ 95%
Stability	: ≥ 2 years at room temperature
Supplied as	: A crystalline solid



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## Usage and Dosage

The dosage is only for guidance to starters. Please refer to your Veterinarian / Nutritionist for guidance.

### 1. Poultry (kg per ton of complete feed)

Broilers (1-21 d)	: 0.15 – 0.5
Broilers (22-40 d)	: 0.10 – 0.30
Broilers (41 – time of slaughter) / Layer	: 0.15 – 0.30
Broiler breeders	: 0.25 – 0.40

### 2. Others (kg per ton of complete feed)

Rabbits	: 1.5
Fishes	: 2.0 – 3.0
Calves	: 1.5 – 2.0

# SODIUM BUTYRATE

## Scientific studies emphasize effectiveness of butyrates as a beneficial feed additive

Livestock		Butyrate		Productivity Improvements				Health Improvement			Reference
Aquatic Species	Animal Tested in Study	sodium salt	fat coating	better feed conversion	increased weight gain	Epithelial surface enlarged	enhanced feed digestibility	pathogen control	Mortality lowered	Enteritis protection	
Shrimp	140										da Silva 2014
Juvenile Sea Bream	32										Robles 2013
Tilapia	360										Zheng 2009
Juvenile Common Carp	480										Liu 2014

Livestock		Butyrate		Productivity Improvements				Health Improvement				Reference			
Poultry Species	Animal Tested in Study	sodium salt	Calcium Salt	fat coating	better feed conversion	increased weight gain	Epithelial surface enlarged	enhanced feed digestibility	Better egg quality	Enhanced feed digestibility	pathogen control		salmonella control	Beneficial gut microbiota	Better carcass state
Broiler	480														Zou 2010
Broiler	200														Smulikowska 2009
Broiler	540														Waguespack 2013
Laying hen	288														Hamme 2013
Laying hen	1000														Sengor 2007
Broiler	480														Cerisuelo 2014
Broiler	96														Czerwinski 2012
Broiler	150														Fernández- Rubio 2009
Broiler	240														Panda 2009

Livestock		Butyrate		Productivity Improvements				Health Improvement				Reference	
Swine Species	Animal Tested in Study	sodium salt	Calcium Salt	Butyrin	fat coating	better feed conversion	increased weight gain	Epithelial surface enlarged	enhanced feed digestibility	pathogen control	Mortality lowered		Enteritis protection
Weaned piglets	32												Mazzoni 2008
Piglets	32												de Ridder 2013
Fattening pigs	15												Claus 2006
Weaned piglets	100												Fang 2014
Suckled piglets	32												Le Gall 2009
Weaned piglets	160												Hou 2006
Weaned piglets	528												Mallo 2012
Weaned piglets	90												Piva 2008
Suckled piglets	16												Kotunia 2004

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