

# SOLSEL<sup>®</sup>

Pure by nature.

## SALT AND MINERAL LICK BLOCKS

Suitable  
for organic  
production!



The most important  
mineral nutrients for livestock!

Feed material and mineral feed for cattle, horses, goats, sheep, and game.



# SOLSEL® lick blocks made from crystal salt

Health and efficiency through self-service



Modern animal husbandry means, among other things, optimal feeding! Healthy and efficient animals require balanced minerals in their bodies.

## Lick blocks as simple and effective feeding supplements

Lick blocks play a significant role as a simple and effective supplement to feeding. They provide crucial components like:

- Sodium
- Magnesium
- Calcium
- Manganese
- Zinc
- Iodine
- Selenium and, upon request, Copper



## Efficiency through instinctive licking behavior!

The salt requirement of an animal is very individual – this depends on the type of animal, as well as its age, usage, and demanded performance. The animal instinctively and efficiently takes care of its own feeding: It licks the salt until the demand has been fulfilled, which means there is no overdosing or addictive behavior. At the same time, this method is also ideal in supplying the animal with additional minerals.



## Preventatively combat nutritional deficiencies with SOLSEL® lick blocks

Nutritional deficiency is always first recognized once its effects are already visible. For example, an animal's lack of appetite can frequently be traced back to insufficient sodium intake.

**SOLSEL® lick blocks** prevent shortfalls with a coordinated selection of both quantities and microelements.



## Quality through natural materials and modern science

The premixtures of minerals are developed in cooperation with experts in animal nutrition and are tailored to the requirements of modern animal husbandry. All **SOLSEL® lick blocks** may be used in organic production in accordance with Regulations (EC) No 834/2007 and (EC) No 889/2008. 100% products of agricultural origin.



## Natural perfection and innovative developments.

The lick blocks' salt content stems from pure and natural rock salt from Central European salt deposits that evolved more than 250-million years ago through solar power and the evaporation of the primordial ocean. They are characterized by their inherent large amount of pure white salt crystals. This gift from earth, protected at a depth of 400 to 750 meters, is carefully extracted.

- natural and pure
- suitable for organic farming



All services rendered by esco are closely oriented towards customers' special requirements. Constant innovations are in pursuit of the goal of improving the quality of a particular production technology, a service, or a certain product. This is what customer focus looks like. esco as manufacturer of **SOLSEL® products** is certified according to the required quality systems.





# NATURAL

Saltlick blocks made from pure and natural rock salt.



The sufficient supply of salt, minerals, and microelements is the prerequisite for the health of your animals, which is why **SOLSEL® Natural** provides you with an economical feeding supplement that conforms to your needs.

The stability of the stones is a result of lengthy test series and permanent endurance tests. This guarantees high weather resistance as well as even consumption by the animal. **SOLSEL® Natural** saltlick blocks are manufactured as pure rock or evaporated salt according to a specialized press process.

**SOLSEL® Natural** saltlick blocks are suitable as straight feed for all kinds of animals:

- Cattle
- Horses
- Sheep
- Goats
- and larger wild animals



**Feed material for cattle, horses, sheep, goat and game**

**Composition:**

99% Sodium Chloride

**Ingredients:** Sodium 39%

Shipping units are on EURO-pallets with 5-kg, 10-kg or 25-kg blocks

Mineral lick blocks with copper for the supply of essential trace elements.  
(Not suitable for sheep)



The individual mineral needs of an animal can vary significantly, however – even within a homogenous group. **SOLSEL® Multi** mineral lick blocks with copper, along with basic and strength feeding, ensure an extensive fulfillment of an animal's demand through spontaneous intake via the lick blocks.

**Mineral feed for cattle, horses, goat and game**

**Composition:**

94% Sodium Chloride, 4,1% Calcium Carbonate

**Ingredients:** Sodium 37%, Calcium 2%, Magnesium 0,1%, Phosphorus 0,0%. Nutritional feed additives: Zinc, from zinc oxide (3b603) 1000 mg/kg; Manganese, from manganese-(II)-oxide (3b502) 1000 mg/kg; Copper, from copper (II)sulphate pentahydrate (3b405) 220 mg/kg; Iodine, from calcium iodate anhydrous (3b202) 100 mg/kg; Selenium, E8, from sodium selenite 20 mg/kg.

Shipping units are on EURO-pallets with 5-kg or 10-kg blocks



# UNIVERSAL

Mineral lick blocks without copper for the supply of essential trace elements.



Along with salt (sodium chloride), every animal consumes a series of minerals and microelements like zinc, manganese, copper, iron, iodine, and selenium. Each of these elements takes on important roles within animal organisms.

**SOLSEL® Universal** mineral lick blocks without copper were developed especially for the feeding of sheep. **The formula was composed without the element of copper in order to exclude any intolerances for this kind of animal.** **SOLSEL® Universal** are also perfectly suitable for cattle, horses, goats, and game.

**Mineral feed for cattle, horses, sheep, goat and game**

**Composition:**

94% Sodium Chloride, 4,1% Calcium Carbonate

**Ingredients:** Sodium 38%, Calcium 0,5%, Magnesium 0,1%, Phosphorus 0,0%. Nutritional feed additives: Zinc, from zinc oxide (3b603) 1000 mg/kg; Manganese, from manganese-(II)-oxide (3b502) 1000 mg/kg; Iron, from iron-(II)-carbonate (3b101) 200 mg/kg; Iodine, from calcium iodate anhydrous (3b202) 100 mg/kg; Selenium, E8, from sodium selenite 20 mg/kg.

Shipping units are on EURO-pallets with 5-kg or 10-kg blocks





# WILD

Mineral lick blocks with essential minerals especially for game.



Special game, such as wild boar, deer or red deer, are reliant on additional doses of sodium and microelements. Through the clever placement of this lick blocks, the huntsman ensures the supply of minerals appropriate to the surrounding species, avoids damage caused by game through browsing, and provides game with a sufficient supply of minerals. The lick blocks is weather resistant and has a stable design.

**SOLSEL® Wild** mineral lick blocks have a special formula for game that was very successfully tested in field studies.

## Mineral feed for game

### Composition:

97% Sodium Chloride, 1,6% Calcium Carbonate

### Ingredients:

Sodium 38%, Calcium 0,8%, Magnesium 0,1 %, Phosphorus 0,0%. Nutritional feed additives: Zinc, from zinc oxide (3b603) 1071 mg/kg; Manganese, from manganese-(II)-oxide (3b502) 1000 mg/kg; Copper, from copper-(II)-oxid (3b404) 1158 mg/kg; Iron, from iron-(II)-carbonate (3b101) 503 mg/kg; Iodine, from calcium iodate anhydrous (3b202) 102 mg/kg; Selenium, E8, from sodium selenite 25 mg/kg.

Shipping units are on EURO-pallets with 10-kg blocks



# EXTRA

Mineral lick blocks Extra – covers 1/3 of the recommended daily intake of trace elements.

(Not suitable for sheep)



## Mineral feed cattle, horses, goat and game

### Composition:

94% Sodium Chloride, 2,2% Calcium Carbonate

### Ingredients:

Sodium 37%, Calcium 1,2%, Magnesium 0,1%, Phosphorus 0,0%. Nutritional feed additives: Zinc, from zinc oxide (3b603) 8250 mg/kg; Manganese, from manganese-(II)-oxide (3b502) 6600 mg/kg; Copper, from copper(II) sulphate pentahydrate (3b405) 1100 mg/kg; Iron, from iron-(II)-carbonate (3b101) 560 mg/kg; Iodine, from calcium iodate anhydrous (3b202) 100 mg/kg; Selenium, E8, from sodium selenite 25 mg/kg.

Shipping units are on EURO-pallets with 5-kg or 10-kg blocks

For an animal, high performance also means higher mineral consumption. **SOLSEL® Extra** mineral lick blocks make feeding easier through their high acceptance, avoid diet-related deficiency symptoms, and already cover a third of the required daily amount of microelements like zinc, manganese, iron, iodine, copper and selenium.

**SOLSEL® Extra** mineral lick blocks are especially suitable for animals that are of high economic importance for their owners and that are vulnerable to deficiencies with regards to micronutrients either through high performance or surroundings that are low in minerals.

As an example, this can include:

- Young cattle in the growth stage
- Lactating cows
- Sports horses or
- Grazing animals in certain regions, for example, in the Alm pasture










# SOLSEL®

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## SALT AND MINERAL LICK BLOCKS

Suitable  
for organic  
production!

Lick blocks made from crystal salt – our formulas

		SOLSEL® Natural Saltlick blocks 5 kg/10 kg/25 kg	SOLSEL® Universal Mineral lick blocks without copper 5 kg/10 kg	SOLSEL® Multi Mineral lick blocks with copper 5 kg/10 kg	SOLSEL® Extra Mineral lick blocks 5 kg/10 kg	SOLSEL® Wild Mineral lick blocks 10 kg
						
Sodium	Na	39%	38%	37%	37%	38%
Calcium	Ca	–	0,5%	2%	1,2%	0,8%
Phosphorus	P	–	–	–	–	–
Magnesium	Mg	–	0,1%	0,1%	0,1%	0,1%
Zinc	Zn	–	1000 mg/kg	1000 mg/kg	8250 mg/kg	1071 mg/kg
Manganese	Mn	–	1000 mg/kg	1000 mg/kg	6600 mg/kg	1000 mg/kg
Copper	Cu	–	–	220 mg/kg	1100 mg/kg	1158 mg/kg
Iron	Fe	–	200 mg/kg	–	560 mg/kg	503 mg/kg
Iodine	I	–	100 mg/kg	100 mg/kg	100 mg/kg	102 mg/kg
Selenium	Se	–	20 mg/kg	20 mg/kg	25 mg/kg	25 mg/kg

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