


## Product Specification Sheet

	<h1>50%Choline chloride on silica</h1>		
<b>Grade</b>	Nutritional Additive; functional group vitamins, pro-vitamins and chemically well-defined substances having similar effect Active substance 50 wt.% Choline Chloride (3a890)		
<b>Quality</b> (Declared on CoA)	<b>Determination</b> Choline chloride Moisture Particle size > 0.50 mm	<b>Specification</b> 50±1 % w/w 18 % w/w max 10 % max	<b>Reference</b> SAM 269.21 SAM 280.20 SAM 721.06
<b>Appearance</b>	Free-flowing white colored powder with faint characteristic odor		
<b>Product characteristics</b>	Trimethylamine Apparent bulk density Packed bulk density	<b>Typical</b> 250 ppm w/w max 450-600 Kg/m <sup>3</sup> 600-750 Kg/m <sup>3</sup>	<b>Reference</b> SAM 839.04 SAM 243.06 SAM 720.06
<b>Retest date</b>	Ion Chromatographic method (SAM 839.05) for testing choline chloride content is available on request  24 months from date of manufacture (in original packaging and protected from excessive heat)		
<b>Formula</b>	$C_5H_{14}NOCl$		
<b>Synonyms</b>	(2-hydroxyethyl) trimethylammonium chloride  CAS N°: <b>67-48-1</b>		
<b>Physical Properties</b>	See Safety Information Card		
<b>Recommended storage conditions</b>	Protect from excessive heat. Keep the containers tightly closed, the product is hygroscopic		
<b>Composition</b>	Feed additive preparation: - Choline chloride (3a890) - Silicic acid, precipitated and dried (E551a)		
<b>Packaging</b>	<b>Valve paper bag</b> 25 kg net with multilingual labeling. Standard pallet configuration: Standard pallet dimensions:	<b>Balchem Italia product code: 5400452</b>  50 bags on a wooden HT pallet (IPPC-FAO), size 1000 x 1200 mm with PE shrink pallet cover. Net weight: 1250 kg Gross weight: 1270 kg Pallet size (w x l x h): 1050 x 1250 x 1500 mm	

## Product Specification Sheet

### Polypropylene woven FIBC

**Balchem Italia product code: 5400450**

1100 kg net with multilingual labeling.

Standard pallet configuration: 1 big bag on a wooden "CP 9" HT pallet (IPPC-FAO), size 1140 x 1140 mm, with PE stretch film.

Standard dimensions:	Net weight:	1100 kg
	Gross weight:	1120 kg
	Pallet size (w x l x h):	1140 x 1140 x 1650 mm

### Health and safety

Breathing, eye and skin protection shall be used during handling

Choline Chloride is not classified according to the CLP Regulation (EC) N° 1272/2008

See our Safety Data Sheet

### Regulatory info

Choline chloride is authorized as Feed Additive by Regulation (EU) No 795/2013 from 21 August 2013 and included in the European Union Register of Feed additives in the category "Nutritional Additives" with identification number 3a890

Choline chloride 50% on silica is a feed additive preparation under the Regulation (EU) N° 2015/327

Balchem Italia is registered for production of choline chloride according to regulation 183/2005/EC (registration number **αITM00001 NO**)

### Directions for use

( other provisions  
(EU) N° 795/2013)

All animal species

Choline chloride may be used via water for drinking

The labelling of feed for poultry and pigs containing choline chloride should indicate in the instructions of use: 'simultaneous use with water for drinking in which choline chloride has been added should be avoided'

Recommended not to exceed supplemental levels of 1000 mg of choline chloride/kg of complete feed for poultry and pigs

### Contacts

Balchem Italia srl

Via del Porto snc, 28040 Marano Ticino (NO), Italy

Phone +39 0321 9791; Fax +39 0321 979249

Email [ANH-Italy@balchem.com](mailto:ANH-Italy@balchem.com)

Balchem Corporation

52 Sunrise Park Road, New Hampton, NY 10958

Phone +1 845-326-5600; Fax 845-326-5717

Email [ANH@balchem.com](mailto:ANH@balchem.com)

### Certifications

Feed safety ISO 22000:2005 and FAMI-QS Management System

Quality ISO 9001:2015

Environmental ISO 14001:2015

### Note

These conditions can be subject to amendments

### Version

November 2020