

Product Specification Sheet

CC 60

Choline chloride 60% on vegetable carrier

Grade	Nutritional Additive; functional group vitamins, pro-vitamins and chemically well-defined substances having similar effect Active substance 60 wt.% Choline Chloride (3a890)		
Quality (Declared on CoA)	Determination	Specification	Reference
	Choline chloride	60±1 % w/w	SAM 269.22
	Moisture	2.5 % w/w max	SAM 280.17
	Particle size > 2.0 mm	2 % max	SAM 721.06
	Particle size > 0.850 mm	35 % max	SAM 721.06
Appearance	Free-flowing tan colored powder with faint characteristic odor		
Product characteristics	Typical	Reference	
	Trimethylamine	400 ppm w/w max	SAM 839.04
	Apparent bulk density	550-700 Kg/m ³	SAM 243.06
	Packed bulk density	600-800 Kg/m ³	SAM 720.06
	Ion Chromatographic method (SAM 839.05) for testing choline chloride content is available on request		
Retest date	24 months from date of manufacture (in original packaging and protected from excessive heat)		
Formula	C ₅ H ₁₄ NOCl		
Synonyms	(2-hydroxyethyl) trimethylammonium chloride CAS N°: 67-48-1		
Physical properties	See Safety Information Card		
Recommended storage conditions	Protect from excessive heat. Keep the containers tightly closed, the product is hygroscopic		
Composition	Feed additive preparation: <ul style="list-style-type: none">- Choline chloride (3a890)- Vegetable carrier- Salts of fatty acid		

BALCHEM ITALIA

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Packaging

Polyethylene bag

Balchem Italia product code: 5400445

25 kg net with multilingual labeling.

Standard pallet configuration: 50 bags on a wooden HT pallet (IPPC-FAO), size 1000 x 1200 mm with PE shrink pallet cover.

Standard pallet dimensions:	Net weight:	1250 kg
	Gross weight:	1270 kg
	Pallet size (w x l x h):	1080 x 1300 x 1520 mm

Polypropylene woven FIBC

Balchem Italia product code: 5415591

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 1550 mm

Bulk in silo trucks (25 tons)

Balchem Italia product code: 5400439

Loose bags (25 Kg each) in 20 ft box containers (20 tons)

Balchem Italia product code: 5400444

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 60% -veg 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

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Certifications

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

Quality ISO 9001:2008

Environmental ISO 14001:2004

Note

These conditions can be subject to amendments

Version

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