



K+S Minerals and Agriculture GmbH, P.O. Box 10 20 29,
34111 Kassel, Germany

To whom it may concern

Erik Wetzel
Total Quality Management System

Bertha-von-Suttner-Straße 7
34131 Kassel, Germany

+49 561 9301-1827
erik.wetzel@k-plus-s.com

ProductGeneralInformation_KaliSel_V06

Product General Information

Product Name: **KaliSel**

Potassium chloride FCC, FAO, WHO, E 508 with anti-caking agent
(0.8% magnesium hydroxide carbonate or 0.5% silicon dioxide)

FDA Registration number: 15284337358

Origin – TSE/BSE and Materials of animal or plant origin

The above mentioned product is composed of potassium chloride, which is treated with an anti-caking agent in order to avoid caking. Potassium Chloride is produced from natural, inorganic minerals whereas the anti-caking agent is of synthetic origin.

During manufacturing and storage of KaliSel, no material of animal or plant origin is used so that contamination with these products/substances can be omitted.

Geographic origin

Potassium chloride, the main component of KaliSel is produced in Germany from crude salt that stems from German potash mines.

Information on anti-caking agents

Since the pure potassium chloride is prone to caking, addition with one of the following anti-caking agents is done.

	Silicon dioxide	Magnesium hydroxide carbonate
Typical amount [%]	0.5	0.8
Chemical formula	SiO ₂	4 MgCO ₃ · Mg(OH) ₂ · 5 H ₂ O
E number	E 551	E 504ii
Country of origin	Belgium, Germany	Germany, France

K+S Minerals and Agriculture GmbH
Bertha-von-Suttner-Straße 7
34131 Kassel, Germany
+49 561 9301-0
www.kpluss.com

Deutsche Bank AG (EUR), BIC: DEUTDEFF520
IBAN: DE84 5207 0012 0025 1520 00
Commerzbank AG (USD), BIC: DRESDEFF520
IBAN: DE85 5208 0080 0350 6320 00
VAT-ID-No.: DE217311877

Chairman of the Supervisory Board: Dr. Andreas Kreimeyer
Managing Directors: Dr. Burkhard Lohr (Chairman),
Holger Riemensperger
Company seat: Kassel
Register court: Kassel (HRB 7452)



In some legislation there is no further consideration of the different hydrated or basic forms of magnesium carbonate.

Suitability according to the local legislations and product's suitability for its intended use, have therefore to be considered and checked by the user.

GMO

In the production process of the above mentioned product we do not use any Genetically Modified Organisms (GMO). The above mentioned product is no GMO, it does not contain any GMO and has not been in contact with any GMO. Therefore the Regulations (EC) No 1829/2003 (as amended) and No 1830/2003 (as amended) are not applicable.

Continuing guarantee

We confirm that each shipment or other delivery hereafter made by K+S Minerals and Agriculture GmbH of above mentioned product is hereby guaranteed, as of the date of such shipment or delivery to be in compliance with the current specifications of FCC, Codex Alimentarius, (EU) No 231/2012 and applicable relevant German, European and U.S. regulations for food additives.

Allergens

During the manufacturing of above mentioned product we do not use or add intentionally any additives, preservatives, flavours etc. The product itself does not contain, is not derived from and/or could it be cross-contaminated by any of the following:

Legal allergens

- Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof
- Crustaceans and products thereof
- Fish and products thereof
- Eggs and products thereof
- Peanuts and products thereof
- Soybeans and products thereof
- Milk and products thereof
- Nuts, i.e. almonds, hazelnuts, walnuts, cashews, pecan nuts, Brazil nuts, pistachio nuts, macadamia nuts and Queensland nuts and products thereof
- Celery and products thereof
- Mustard and products thereof
- Sesame seeds and products thereof
- Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO₂
- Lupin and products thereof
- Molluscs and product thereof

Additional allergens

- Lactose and products thereof
- Cocoa and products thereof
- Glutamate and products thereof



- Chicken meat and products thereof
- Coriander and products thereof
- Corn/ maize and products thereof
- Legumes and products thereof
- Beef and products thereof
- Pork and products thereof
- Carrot and products thereof

Therefore the product does not contain any of the ingredients usually mentioned to be allergens according to Regulation (EU) No. 1169/2011 (as amended) and according to the LEDA- / ALBA-List (version 2.0, 2011). The analysis on above mentioned substances is not part of our quality monitoring.

Product suitability

The above mentioned product is a natural inorganic substance. It is suitable for Vegetarians, Ovo-lacto Vegetarians, Vegans, Coeliacs and people with lactose intolerance.

Kosher and Halal-Certificates

The above mentioned product is in line with Kosher and Halal requirements. The certificates are available on

<https://www.kpluss.com/en-us/our-business-products/industry/food-processing/index.html>

Irradiation/Ionisation

The above mentioned product is not subject to an irradiation and/or an ionisation.

Change control

We herewith confirm that a formal change control system has been implemented.

A notification will be automatically sent to our direct customers, before implementation of modification that could affect the specification of the relevant product.

Microbiological contamination

The above mentioned product is an inorganic substance that is produced from raw materials, deriving from underground salt deposits of geological origin. Due to the closed beneficiation process, the heat treatment during drying and the origin of the raw material, bacteria, moulds, yeast, mycotoxins, aflatoxins and dioxins are unlikely to be present in the product.

Nutritional value

The above mentioned product is a mixture of two inorganic substances and constitutionally does not include any carbohydrates, fats or proteins. Above mentioned product has therefore no nutritional value.



Parameter	Unit	Typical value (KaliSel with Magnesium hydroxide carbonate)	Typical value (KaliSel with Silicon dioxide)
Energy	kJ/100 g	0	0
Fat	g/100 g	0	0
Saturated fat	g/100 g	0	0
Proteins	g/100 g	0	0
Carbohydrates	g/100 g	0	0
Sugar	g/100 g	0	0
Fibre	g/100 g	0	0
Sodium	mg/100 g	200	200
Calcium	mg/100 g	2.9	0.1
Potassium	g/100 g	51.5	51.6
Magnesium	g/100 g	0.21	0.006
Chloride	g/100 g	46.7	46.8
Vitamins		No vitamins added	No vitamins added
Moisture (loss on drying)	g/100 g	0.1	0.1
Ash	g/100 g	99.6	99.6
Water	g/100 g	0.4	0.4

KCl, K₂O and K values

The information on the values of the above mentioned parameters can be found below.

The K₂O and K values can be calculated by using the conversion factor 0.632 (KCl → K₂O) and 0.524 (KCl → K).

	KCl content	K ₂ O content	K content
Pure KCl (before addition of anti-caking agent)	min. 99.0%	min. 62.6%	min. 51.9%
KaliSel with Silicon Dioxide	min. 98.5%	min. 62.3%	min. 51.6%
KaliSel with Magnesium hydroxide carbonate	min. 98.2%	min. 62.1%	min. 51.5%

California List of Chemicals, Proposition 65

During beneficiation no materials are used from which a contamination with compounds mentioned on the Proposition 65 list could arise.



C.M.R. classified substances

Please refer to our REACH Statement.

Residual solvents

During the manufacturing process of above mentioned product only water is used as solvent. Organic solvents are not applied. Due to the geological origin of the raw material and the lack of organic solvents in the manufacturing processes, residual solvents are unlikely to be present. Therefore testing on the specified substances is not necessary and is not done.

Generally Recognized as Safe (GRAS)

Potassium chloride is listed as GRAS (§ 184.1622 and § 184.1(b) (1))

Magnesium hydroxide carbonate: listed as GRAS (§ 184.1425 and § 184.1(b) (1)).

Silicon dioxide: permitted as “anti-caking agent” in food, which “may be safely used” with a limitation not to exceed 2% according to § 172.480.

NOP (National Organic Program)

Potassium chloride: there is no further restriction according to § 205.605 Nonagricultural (nonorganic) substances allowed as ingredients in or on processed products labeled as “organic” or “made with organic (specified ingredients or food groups(s)).”

Magnesium hydroxide carbonate: not listed as such. But in FCC this product is called magnesium carbonate, which is listed with the restriction *for use only in agricultural products labeled “made with organic (specified ingredients or food group(s)),” prohibited in agricultural products labeled “organic.”*

Silicon dioxide: listed as *nonagricultural substance which may be used as ingredient in or on processed products labeled as “organic” or “made with organic (specified ingredients or food group(s))”.*

HACCP

A certified HACCP system is in place for the manufacturing of the above mentioned product. Details on HACCP are not forwarded. Please note that a IFS (GFSI recognised) is available for the product and be downloaded at

<https://www.kpluss.com/en-us/our-business-products/industry/food-processing/index.html>

Ingredient list

Potassium Chloride FCC, FAO, WHO, E 508	99.2%
Magnesium hydroxide carbonate, E 504ii	0.8%

or

Potassium Chloride FCC, FAO, WHO, E 508	99.5%
Silicon dioxide, E 551	0.5%



During the production process of the above mentioned product we do not use or intentionally add any of the following substances:

- Melamine
- Gluten
- Glutamates
- Nitrosamine
- Palm oil
- Maleic acid
- Latex
- Cyanuric acid
- BAC and DDAC
- Quaternary ammonium compounds
- Bisphenol A, Bisphenol F
- Polyethylene sulfide (PPS)
- Dimethylfumarat (DMF)
- Asbestos
- DEHP (diethylhexyl phthalate) and DINP (diisononyl phthalate) or any other phthalates
- Acrylamide
- Ethyl alcohol and Alcohol
- Dioxins and PCBs
- Ethylene Oxide
- Pesticides and herbicides
- Hormones or hormone residues
- Biosolids or sludge
- Antibiotics, narcotic products, steroidal anabolic
- Compounds mentioned on the WADA Prohibited List
- Enzymes
- Partially hydrogenated oils (PHOs)
- Cumin
- Paprika
- Artificial color
- Propyl para-hydroxybenzoate (INS 216) and its sodium salt, sodium propyl para-hydroxybenzoate (INS 217)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Flavouring substances

K+S Minerals and Agriculture GmbH

(This document is valid without signature.)