PRODUCT SPECIFICATION – FOOD INGREDIENTS

MAGNESIUM SULPHATE HEPTAHYDRATE FCC

ConnectingChemistry

BRENNTAG

1. PRODUCT INDENTIFICATION

Supplier product name	MAGNESIUM SULPHATE HEPTAHYDRATE FCC		
Supplier product number	13778	Date of issue: 27/07/2015	Replaces: 28/05/2015
Origin	Mineral		
Manufacturer	K+S Kali GmbH		
Country	Germany		
Certification manufacturer:	ISO 9001, HACCP, GMP+		

1.1 Composition

Single ingredient	
Chemical name	Magnesium sulphate heptahydrate, Epsom salt
Chemical formula	$MgSO_4.7H_2O$
Molecular weight	246,4746

1.2 Legislative information

CAS-Nº	10034-99-8
INTRASTAT CODE	2833210000
EINECS	231-298-2
Legal declaration	

2. PRODUCT INFORMATION

	Unit	Specification	Method
2.1 Physical and Chemical properties			
Appearance		Crystalls	
Colour		White	
Odour/taste		-	
Purity (on the ignited basis)	%	99,5	FCC
Assay ($MgSO_4$)	wt%	≈ 49,1 (typical value)	
Water (H_2O)	wt%	≈ 50,9 (typical value)	
Loss on ignition	%	40,0 – 52,0	FCC

2.2 Microbiological data

N.A.

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Op alle offertes en overeenkomsten zijn de algemene voorwaarden van Brenntag Nederland en/of België van toepassing. Deze zijn gedeponeerd bij de Kamer van Koophandel.

2.3 Contaminants			
2.3.1 Chemical contaminants			
Sodium (Na)	ppm	≈ 40 (typical value)	
Potassium (K)	ppm	≈ 230 (typical value)	
Calcium (Ca)	ppm	≈ 60 (typical value)	
Chloride (Cl)	ppm	≈ 80 (typical value)	
Selenium (Se)	ppm	max. 30	FCC
Lead (Pb)	ppm	max. 4	FCC
2.3.2 Physical contaminants			
Foreign body control	Sieve		
2.4 Nutritional Information (Directive 90/496/EC, amended by 2003/120/EC and 2008/100/EC)			
2.4.1 Nutritional Values			
Energy	kJ/100g	-	
Energy	kcal/100g	-	
Protein	g/100g	0	
Carbohydrate :	g/100g	0	
Of which Sugars	g/100g	0	
Polyols	g/100g	0	
Starches	g/100g	0	
Others	g/100g	0	
Fat :	g/100g	0	
Of which Saturated	g/100g	0	
Mono-unsaturated	g/100g	0	
Poly-unsaturated	g/100g	0	
Transfatty acids	g/100g	0	
Cholesterol	mg/100g	0	
Water	g/100g	≈ 50,9 (typical value)	
Organic acid	g/100g	-	
2.4.2 Minerals			
Sodium	mg/100g	≈ 4 (typical value)	
Calcium	mg/100g	≈ 6 (typical value)	

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Magnesium	mg/100g	≈ 9861 (typical value)	
Potassium	mg/100g	≈ 23 (typical value)	
Chloride	g/100g	≈ 0,008 (typical value)	
Phosphorus	mg/100g	-	
Others:	mg/100g	-	

3. FOOD INTOLERANCES

3.1 Allergens (Directives 2000/13/EC, 2003/89/CE 2007/68/EC)

	Y / N	Direct Contamination	Cross-Contamination (Risk)
Barley	N	N	N
Beef	N	N	N
Cacao	N	N	N
Carrot	N	N	N
Celery and celery products	N	N	N
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt, barley)	N	N	N
Chicken	N	N	N
Coriander	N	N	N
Crustaceans and Shellfish	N	N	N
Eggs and egg products	N	N	N
Fish and fish products	N	N	N
Glutamate	N	N	N
Lupin and products thereof	N	N	N
Milk and milk products (incl. Lactose)	N	N	N
Molluscs and products thereof	N	N	N
Mustard and mustard products	N	N	N
Nuts and nut products (almonds, hazelnuts, walnuts)	N	N	N
Peanuts and peanut products	N	N	N
Pork	N	N	N
Sesame and sesame products	N	N	N
Soybean and soybean products	N	N	N
Sulphite (E221 - E228)	N	N	N
Sulphur dioxide (> 10 mg/kg)	N	N	N

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3.2 Suitability for other diets

Vegetarian	Y
Vegans	Y
Kosher	Y
Halal	Y
Lactose intolerant	Y
Coeliacs	Y

3.3 GMO Declaration, acc. Regulations 298/2008/EC and 1830/2003/EC

MAGNESIUM SULPHATE HEPTAHYDRATE FCC does not contain genetically modified organisms and is not produced using raw materials of a genetically modified origin. At no stage during production does the product comes into contact with genetically modified organisms.
MAGNESIUM SULPHATE HEPTAHYDRATE FCC is falling under the scope of the EC Regulation n° 1829/2003 on genetically modified food and feed and the EC Regulation n° 1830/2003 on the traceability and labeling of genetically modified organisms and the traceability of products derived from them and to modification of Directive 2001/18/EC.

3.4 Irradiation, acc. Directive 1999/2/EC and 1999/3/EC

This product was not subject to any kind of irradiation treatment

3.5 BSE/TSE Declaration

The used ingredients for MAGNESIUM SULPHATE HEPTAHYDRATE FCC are not of animal origin. The processing equipment and the packing material which is used to manufacture, pack or fill the products into the packing units do not come into contact with any meat or meat by- product.

3.6 Residual Solvents, complies with

For the manufacturing of the product, no solvents are used. This product is in compliance with the Guideline CPMP/ICH/283/95 and chapter <467> of the current edition of the USP-NF for residual solvents.

3.7 Regulatory information

The product complies with:

FCC
EC Regulation n° 1881/2006 setting maximum levels for certain contaminants in foodstuffs..

The production plant complies with:

EC Regulation n° 852/2004 on hygienic requirements for the manufacturing of raw materials in the food industry.

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4. PACKAGING

Packaging description	Bags
Packaging net content	25 kg
Different packagings on request	Yes
Paletisation	1000 kg shrinkwrapped

5. STORAGE CONDITIONS

Storage conditions	Must be kept in a cool, dry and well ventilated environment, in closed original packaging
Shelf life (recommended re-analysis)	60 months after production, under the above mentioned conditions

6. DISCLAIMER

The content of the Product Specification Sheet is completed to the best of our knowledge.
This document does not dismiss the user of his legal obligation with respect to food safety.

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activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
QUALITY SYSTEMS		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO

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