# Heygates Flour Mills Product Specification

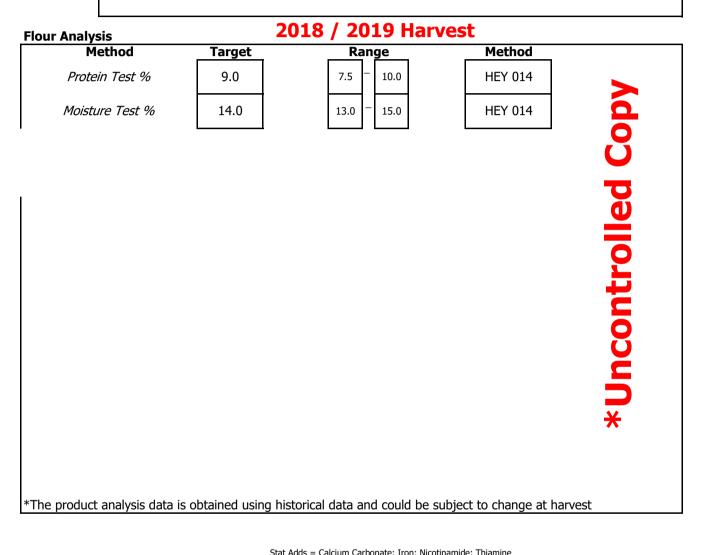


Product Name	Customer Name	Cust Ref
L2 - Krisbite Light (12.5)	Bradleys	HAR150

Descriptio

n of Flour

A light blend of wheat flour and maize flour specially designed for use in short and sweet pastries



	Stat Adds – Calcian Carbonate, 1101, Nicothanide, Miamine				
Shelf Life	6 months				
Storage	The flour should be stored in cool dry conditions away from direct sunlight. The storage area should allow good air circulation and be free from any pest infestation.				
FiR Ingredient Declaratio	INICOTINATION (VIERS) ENTATING EVOLOCITOR (VIERE)) MAIZE FIOLIC			Prepared By	Dave Hughes
n				Signature	
Issue Date	30-Aug-19	Spec ID Revision	L2 v003	Res Ref	Hugh =>

HQ Address			Mill of M	anufacture Address
Add 1	Heygates Ltd	7	Add 1	
		_		Heygates Ltd
Add 2	Bugbrooke Flour Mills		Add 2	Bugbrooke Flour Mills
Add 3	Bugbrooke		Add 3	Bugbrooke
Add 4	Northants NN7 3QH		Add 4	Northants NN7 3QH
Tel No.	01604 830381		Tel No.	01604 830 381
Fax No.	01604 831865		Fax No.	01604 831865
Contact Nar	nes		Contact	Tel No.s
Mill Manager	Mr Paul Thomason	7		01604 830 381
	Laurie Pearson			01604 830381
Quality Mana		-		01604 830381
	24hr Security	-		01604 830381
Out of Hrs Conta				01004 030301
3rd Party A	ccreditation			
_			May 20	
BRC	Yes	BRC Exp Date	May 20	
BRC Scope	Flour and wheat derivatives		Ir for human cor	nsumption produced and
	packed at the Bugbrooke sit	e.		
Food Safety	· Controls - Critical Contro	l Points		
-				
Final Sieve Si	ze	2mm	Frequence	cy of Inspection Weekly
Frequency of	overtail Checks	Every batch	The flour will	be free from foreign bodies
Blow Line Me			1.5mm	SS 2.5mm
Bag Metal De	etection Fe	e 4.0mm Nfe	4.0mm	SS 4.0mm
Packaging				
	16Kg Bag Dim.	. 320x135x720	_	
Primary Packa	Paper sack Weight	t 2x80g Ply	F No. per la	Pallet Configuration
Secondary Pa	ckaging Spin wrap	]	No. layers	13
Mierchists	ical limite	· · · · · · ·		
Microbiolog		rom industry survey		Mean Figs from industry survey
	Viable Count	7749 CFU/g Presum		reus 3.79
Yeasts & Mou	ılds	2012 CFU/g Listeria	spp (count)	<10
Presumptive	Coliforms MPN	1.41 MPN Salmone		Abs in 25g
•	Escherichia coli MPN	0.11 MPN Frequer		Post harvest
Micro Analy		التلاب تستعامه		
	We consider the product to			
	a validated heat treating pro	cess i.e. cooking bef	ore final consum	iption.
Mycotoxin /	/ Pesticide Residue Tests Test		t and wheat deriva ncy of Test	atives meet current EU legislation
	Ochratoxin A; DONS; ZONS			n risk assessed basis following this.
	Pesticide Residue			Typical results available on request
		HGCA Pr		י אויכמו ובטווג מימוומטוב טוו ופנועבג

#### Food Allergen Information

The following list of known allergens is based on the statutory instrument 2008: No.1188. the Food labelling (Declaration of

	Q1	Q2	Q3
Cereals containing gluten	YES	YES	N/A
Crustaceans	NO	NO	NO
Eggs	NO	NO	NO
Fish	NO	NO	NO
Peanuts	NO	NO	NO
Soyabeans	NO	NO	YES
Milk	NO	NO	NO
Nuts (i.e. almonds, hazelnuts)	NO	NO	NO
Celery	NO	NO	NO
Mustard	NO	NO	NO
Sesame	NO	NO	NO
Sulphur dioxide & sulph^ >10mg/ł	NO	NO	NO
Lupin	NO	NO	NO
Molluscs	NO	NO	NO

Q1: Is the allergen declared on the packaging labelQ2: Is this allergen used within the same production facilityQ3: Is there a risk of adventitious cross contamination

Jan-13

Adventitious cross contamination can occur especially when handling foreign wheat. Transportation (vessels, trains, road haulage), port storage and conveying systems could be handled with other combinable crops. Measures are in place to reduce any adventitious contamination within the supply chain and Heygates employ the services of a port superintendent to check previous loads and to take samples of incoming wheat. The wheat cleaning screens room should extract seeds and grains based on density and size.

		Nutritional Informatio		
	Water (g)	14.0 *	Magnesium (mg)	23.0
()	Total Nitrogen (g)	1.6	Phosphorus (mg)	114.0
ŏ	Protein (g)	9.0 *	Iron (mg)	1.9
LL LL	Fat (g)	1.4	Copper (mg)	0.2
<u>Č</u>	Av Carbohydrate (g)	80.9	Zinc (mg)	0.7
	Energy (kcal)	352.0 *	Chloride (mg)	143.0
	Energy (KJ)	1499.2 *	Manganese (mg)	23.0
	Starch (g)	80.3	Selenium (ug)	3.0
Õ	Total Sugars (g)	0.6	Iodine (ug)	TR
an	Gluc (g)	TR	Retinol (ug)	0.0
Ī Č	Fruct (g)	TR	Carotine (ug)	0.0
	Sucr (g)	0.5	Vitamin D (ug)	0.0
20	Saturates (g)	0.4	Vitamin E (mg)	0.6
$\leq$	Malt (g)	0.1	Thiamine B1 (mg)	0.3
ïd	Lact (g)	0.0	Riboflavin B2 (g)	0.1
Source - McCance & Widdowsons	Dietary Fibre (g)	3.4	Niacin (mg)	1.7
0 X	Satd (g)	0.4	Tryptophan/60 (mg)	2.0
IS(	Mono-unsatd	0.2	Vitamin B6 (mg)	0.2
nc n	Poly-unsatd (g)	0.2	Vitamin (B12 (ug)	0.0
SI	Trans (g)	TR	Folates (ug)	16.0
	Cholest-erol (mg)	0.0	Pantothenate (mg)	0.4
	Sodium (mg)	2.0	Biotin (ug)	2.0
	Potassium (mg)	175.0	Vit C (mg)	0.0
	Calcium (mg)		lated values	
	( 5)			
	Suitable For	I	Pest C	Control
Ovo-lacto v		es	No. of routine visits	52
Vegans	_	es	No. of technical insp	4
Coeliacs		0	Scope of pest Control	-
Kosher app			Rodent & SPI plus 24hr	
Halal appro			Contractor:	
			Check Pest Control, Rea	dina Berkshire
Wheat	UK, P	Poland, Germany, USA, Cana		Iron: USA
wheat cal	n be sourced from:	France	Vit B3: India / China	Vit B1: China
	ingdom: CER- Cormany: CAN-			

UK= United Kingdom; GER= Germany; CAN= Canada; USA = North America; FR= France

### **Heygates Food Safety Policies**

#### Genetic Modification

At this time no genetically modified wheat has been authorised in the EU for commercial cultivation, nor for import into the EU. NABIM (The National Association of British and Irish Millers) continue to monitor the developments in the areas of labelling and patenting of agricultural food products derived from GMO's and keep its members informed of any developments. Regulations (EC) 1139/98 and 49/2000, and the new regulations (EC) 1829/2003 and 1830/2003 on the compulsory labelling in foodstuffs of products derived from GMO's, do not apply and additional specific labelling is not required.

#### Nut Policy

Heygates Ltd do not process any nut or seed products at any of our flour production facilities. Flour is produced in a sealed system and conveyed by means of an enclosed pneumatic pipe to bulk storage where it can either be discharged into dedicated bulk flour tankers or packed into flour sacks.

# COSHH

4 - Due de als		7
1: Product:		
		ur - the worse case scenario
2: Composition/Information on I Wheat Flour is produced by milling cle		ndeeperm at cleaned wheat grain
	-	onfectionery, other foodstuffs and for various industrial
-	e of Dread, Discuits, co	onfectionery, other roousturis and ror various industrial
purposes.		
3: Hazards Identification		
This product is not classified as hazard	Jous to health accordir	ng to EC directive.
-	8hr TWA	STEL
MEL(maximum exposure limit)	10mg/m3	30mg/m3
In normal use wheat flour does not pr	esent a serious health	risk and ingestion has no adverse effects. To comply
with the Control of Substances Hazard	lous to Health Regulati	ions and the assigned MEL, and for general health
reasons outlined below, it is necessary	/ to reduce so far as re	easonably practicable personal exposure to any dust
through enclosure, ventilation and the	provision and use of p	personal protective equipment.
4: First Aid Measures		
		mall proportion of susceptible employees. Remove
affected person from area of exposure	e preferably into fresh	air. Anyone who has asthmatic symptoms from an
exposure to dust should seek medical	advice. The symptom	s normally disappear if the sufferer avoids further
exposure.		
-	rt and the eyes should	be washed with running water. Medical advice should
be sought if the discomfort persists.	the state Feathering	and the fitter strength from heaten alteria
		e reasons it should be cleaned from broken skin to
	•	se from exposure to skin. It is only very rarely, if ever,
the cause of dermatitis (see 8. Exposu 5: Fire Fighting Measures	ire and Controls below	/).
Extinguish with Water(Red) or Foam (	(Cream)	
	. ,	isk or electrical fire, when water and foam should not be
used.		
Extinguish with Foam(Cream) or Powo	ter if hurning liquids ar	re involved.
		uishers, may incur risk of generating an ignitable dust
cloud.		

### **6: Accidental Releases**

Flour should be swept up, do not allow to enter drainage system, do not hose down. Vacuum cleaners must be spark free and earthed. Vacuuming is the preferred method of cleaning. Brushes should preferably be of the type with coloured nylon bristles.

Compressed air is not suitable for cleaning jobs. It is dangerous and it spreads the problem to areas which are harder to clean and possibly into unexpected sources of ignition.

#### 7: Handling and Storage

In bulk, flour should be stored at ambient temperatures in dry bins. Bagged flour should be stored in cool, dry conditions. Flour is usually supplied either by bulk tanker or in paper bags.

Static Electricity: The pneumatic intake of flour from bulk tankers can give rise to static electricity. Accordingly it is essential for blowlines to be earthed; suitable earthing points must be provided at the discharge point.

Manual Handling: All manual handling operations, including those involving flour bags, should be the subject of risk assessment appropriate to the environment and the physical characteristics of the handlers.

#### 8: Exposure and Controls

Dust formation should be minimised during handling to prevent inhalation and skin contact. Overalls and dust respirators are recommended when handling loose materials. Spillages should be removed without delay to maintain hygiene standards and to minimise the level of dust in the atmosphere. Vacuum cleaning should be used wherever possible. It is unusual for contact with clean flour dust to cause dermatitis however high standards of personal hygiene should be maintained to avoid the possibility of dermatitis or product contamination.

# 9: Physical and Chemical Properties

White free flowing powder. Particle Size

Will vary with flour type. E.g., in white flour a large majority of particles will be smaller than 150 microns, 50% of particles being smaller than 50 microns. For fine cake flours, about 50% of particles will be below 25 microns. In wholemeal flour, some particles will be greater than 300 microns.

Specific Heat

0.42 J/gm C.

Explosive Concentrations

Above 50g/m2. (Upper explosive limit concentrations are not well defined for combustible dusts.)

Ignition Temperatures

A cloud of flour in air can be ignited by surfaces at temperatures of about 400OC. Layers of flour on a hot surface can smoulder at around 200OC, leading to flame and ignition.

Kst Values

Comprehensive tests on flours indicate a range between 74 and 120 bar m/s, depending on the flour type, particle size and moisture content. (The limit for the least severe class of explosible dusts, St1, is 200 bar m/s and this figure is often used for determining suitable vent size.)

Density

Usually between 450 and 560 kg/m3.

#### **10. Fire and Dust Explosion Hazards**

Like most organic materials, flour dust is flammable. Although not especially combustible, in certain conditions flour can form dust clouds which, if ignited, can lead to a dust explosion. The following precautions should therefore be taken:

• Adequate extraction facilities should be provided in all areas subject to dust, • Care should be taken to prevent the formation of dust clouds in storage and conveying plant, • Potential sources of ignition should be avoided, • Silos and appropriate equipment, including blowlines, should be earthed to prevent ignition by electrostatic discharge, • Adequate explosion prevention or protection should be fitted to silos and other appropriate equipment, • Smoking must be prohibited near storage and handling areas, • Build-up of dust on beams and ledges – representing a potential dust cloud if dislodged - should be prevented, • Electrical equipment should be of the type suitable for flammable dusts

Further advice on this matter is contained in the technical data below and in "The Prevention of Dust Explosions in Flour Mills and Bulk Flour Containers", available from NABIM.

# **11. Toxicological Information**

i nis product is non-toxic.
Ingestion: Safe for human ingestion.
Inhalation: Repeated exposure may cause sensitisation and asthma (see 8. Exposure and
control)
Eye: May cause discomfort as a foreign body/matter.
Skin: Slight drying of skin. May cause dermatitis in rare cases
12. Ecological Information
None available at this time
13. Disposal Considerations
Dispose of according to national and local regulations.
14. Transport Considerations
This product is not classified as dangerous goods.
15. Regulatory Information
The product is produced so as to comply with the prevailing requirements of the Food Safety Act and the Bread and
Flour Regulations.
EH 40 Risk Phrases: none
EH 40 Safety Phases: none
16. Other Information
Under CoSHH Regulations the user is under a legal obligation to carry out suitable and sufficient assessment of the
health and safety risks which this material may present.
Reference should be made to:
Occupational Exposure Limits EH40/current year
Preventing Asthma at Work L55
Handling of Combustible Dusts HSE 103

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of issue below. The information is for guidance in safe handling, use, storage, transportation, disposal and release and is not in itself a warranty or quality specification. The information relates only to the products identified. This Material Safety Data Sheet may not be valid for such product used in combination with other substances or processes which must be assessed separately.

# HACCP - Process Flow Diagram

