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Page 2 of 7								
HQ Address								
Add 1		Heygates Ltd	\neg	The b	elow site	es are approv	ved to supply	v
Add 2		Bugbrooke Flour Mills						,
Add 3		Bugbrooke	<u> </u>	Flour	name:	TM065 PLAIN	N	
Add 4		Northants NN7	30H		nume.	THOUSTEAIN		
Sales & Techn	ical	Mervin Poole		To:		Bradleys		
Quality Manag		David Bailey		10.		Diduicys		
Quanty i lance		David Dalley		l				
Export Decla	rations							
Heygates EOR		GB119291076		l III		Goods are of	I IK Oriajn	
Product comm		11010015					on engin	
	••••		proved S	' <u>Sites For The S</u>	Supply O	f <u>This Produc</u>	<u>ct</u>	
	т				В			
Add 1	Heygates Ltd,	, Tring		Add 1	Ltd, Bugbrooke			
Add 2	New Mill			Add 2	Bugbrook	e Flour Mills		
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Tel No.	01442 82331			Tel No. 01604 830381				
Fax No.	01442 89028			Fax No.				
Grade	A			Grade	A	1000		
Scope		ite, wholemeal and bro	own wheat	Scope				
Deope	flours and co prod	ducts, for retail (1.5kg	flour bags)	000-0	flour, blende	d bread mixes and o	other wheat	
		ck-packed and bulk tar	ıker)			lucts, including co-pr		
	supply. Cert No. I	ESP 21/07.			industrial sup Cert No. ESP	pply (sack packed an 23255.	id bulk tanker).	
BRC validation		Site	Code	DDClidation			Site Code	
DRC Validation	BR©S Dire	ectory 1220		BRC validation (pls click icon)	BR©S	Directory	1127834	
			5.5	(plo eller lest.)			112/03 .	
Food Safety	Controls - (Critical Control	Doints					
roou Sarcey			FUILS					
Final Sieve Siz	<u>م</u>	· ·	1 mm	1	Frequenc	cy of Inspectio	n Weekly	
	.e		1 11111	j	Пецист	cy or mapeedo	III VVCCRIY	
Frequency of o	overtail Chec		Daily	The flu	our will F	be free from	foreign hodi	06
Frequency of C			Dally				IUICIGII DOG	65
Blow Line Met	al Detection	1 OF	e, 1.0Nfe	2 055				
Bag Metal Det			e, 1.000					
Day Metai Det	ection	10.2	e, me, 5.	.0 55				
Packaging								
Size of bag	6x1.5Kg	Bag Dim. 115	x75x310	x60mm	Prir	mary Packagin	ng N/A	
5120 01 545	UNLIGHT		(/ 5/10 - 21				Pallet Con	figeration
Weight 1 x 80gsm (per bag) Secondary Packaging N/A No. per layer N/A								
weight	No. layers N/A							
							NO. Idyers L	IN/A
Microbiologica	~!	Moa	- Figs fre	om industry surve		Moon Eigs fro	m industry surv	
Aerobic Total								ey
				Presumptive Ba		eus	37 cfu/g	
Yeasts & Moul				Listeria spp (cou	unt)		<10	
Presumptive C				Salmonella			Abs in 250g	
Presumptive Escherichia coli 0 cfu/g Frequency of tests Post harvest								
Micro We consider the product to be low risk microbiologically. The product should pass through a validated heat								
Analysis treating process i.e. cooking before final consumption.								
	FLOUR IS A R	AW INGREDIENT	AND MU	ST BE COOKED O	r baked e	BEFORE EATING	3	
Mycotoxin /	Pesticide R	esidue Tests		All wheat and w	/heat deri	vatives meet o	current EU leg	islation
Mycotoxin / Pesticide Residue Tests All wheat and wheat derivatives meet current Test Frequency of Test								
Wheat	Ochratoxin A; DONS; ZONS			Annually at Harvest then risk assessed basis following			a this.	
	Pesticide Re	• •		HGCA Project			available on re	-
				- ,		,,		

Food Allergen Information

The following list of known allergens is based on the statutory instrument 2008: No.1188. the Food labelling (Declaration of Allergens)(England) regulations 2008 - Amended March 2011

				Q1: Is the allerger	n declared on the	e packaging label
Cereals containing gluten	Q1 YES	Q2 YES	Q3 N/A	Q2: Is this allerger	n used within th	e same production facility
Crustaceans	NO	NO	NO			
Eggs	NO	NO	NO	Q3: Is there a risk	of adventitious	cross contamination
Fish	NO	NO	NO	Adventitious cross	-contamination	can occur in the wheat
Peanuts	NO	NO	NO			vessels, trains, road
Soyabeans	NO	NO	YES			reying systems may carry
Milk	NO	NO	NO			y are not used for wheat.
Nuts (i.e. almonds, hazelnuts)	NO	NO	NO	Best practice cont		
Celery	NO	NO	NO	adventitious conta	mination within	the supply chain.
Mustard	NO	NO	NO	Heygates employ	the services of a	a port superintendent to
Sesame	NO	NO	NO	check previous loa	nds and inspect s	samples of incoming
Sulphur dioxide & sulph^ >10	NO	NO	NO	•		d and cleaned when it
Lupin	NO	NO	NO			clusion of any adventitious
Molluscs	NO	NO	NO	cross contamination	on. However, th	he supply chain is not
Nutritional Information (per		Typical	NO	cograpted		
Water (g)	1009)	11.6	1	Magnesiu	m (ma)	23.0
Total Nitroger) (a)	1.6		Phosphor		114.0
Protein (g)	r (g)	9.1		Iron (mg)		1.9
S Fat (g)		1.4		Copper (r		0.2
Av Carbohydra	ato (a)	80.9		Zinc (mg)		0.2
Source Energy (kcal)	ate (g)	352.0		Chloride (143.0
Energy (KU)		1501.0		Mangane		23.0
\rightarrow Starch (g)		80.3		Selenium	,	3.0
Total Sugars ((a)	0.6		Iodine (u		TR
MCCanCe Sucr (g) Fruct (g) Sucr (g) Sucr (g)	9)	TR		Retinol (u		0.0
		TR		Carotine		0.0
G Sucr (g)		0.5		Vitamin D		0.0
Saturates (g)		0.5		Vitamin E		0.6
Malt (g) Malt (g) Lact (g) Dietary Fibre Satd (g) Mono-unsatd		0.1		Thiamine		0.3
$\stackrel{\circ}{\downarrow}$ $\stackrel{\circ}{\leftarrow}$ Lact (g)		0.1		Riboflavir		0.1
Dietary Fibre	(a)	3.4		Niacin (m	,	1.7
Satd (g)	(9)	0.4			an/60 (mg)	2.0
Mono-unsatd		0.4		Vitamin B		0.2
Poly-unsatd (r)	0.2		Vitamin ((5)	0.0
S Poly-unsatd (g Trans (g)	3/	TR		Folates (u		16.0
Protein (g) Protein (g) Fat (g) Av Carbohydra Energy (kcal) Energy (kcal) Energy (kcal) Energy (kcal) Starch (g) Total Sugars (Gluc (g) Fruct (g) Saturates (g) Malt (g) Lact (g) Dietary Fibre Satd (g) Mono-unsatd Poly-unsatd (g) Cholest-erol (for	ma)	0.0			hate (mg)	0.4
Sodium (mg)	19)	2.0		Biotin (ug		2.0
Potassium (mg)	a)	175.0		Vit C (mg		0.0
Calcium (mg)	9)	96.0		vic e (ing)	0.0
calcium (mg)		50.0				
Suitable For			Pest Co	ntrol		
Vegetarian	Yes	ר		utine visits	26	
Vegans	Yes	-		chnical insp	4	-
Coeliacs	No	1		of pest Control:	· ·	-
	Certified	1	-	& moth plus 24h	r call out	
Halal	Yes	1	Contrac	•		ading, Berkshire.
		-				

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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

1: Product: TM065 PLAIN

Details below are for wheat flour - the worse case scenario 2: Composition/Information on Ingredients

Wheat Flour is produced by milling cleaned wheat grain or endosperm of cleaned wheat grain. Flour is mainly used in the manufacture of bread, biscuits, confectionery, other foodstuffs and for various industrial purposes.

3: Hazards Identification

MEL(maximum exposure limit)

This product is not classified as hazardous to health according to EC directive.

8hr TWA 10mg/m3 STEL 30mg/m3

In normal use wheat flour does not present a serious health risk and ingestion has no adverse effects. To comply with the Control of Substances Hazardous to Health Regulations and the assigned MEL, and for general health reasons outlined below, it is necessary to reduce so far as reasonably practicable personal exposure to any dust through enclosure, ventilation and the provision and use of personal protective equipment.

4: First Aid Measures

Inhalation: Flour dust may cause asthmatic reactions in a small proportion of susceptible employees. Remove affected person from area of exposure preferably into fresh air. Anyone who has asthmatic symptoms from an exposure to dust should seek medical advice. The symptoms normally disappear if the sufferer avoids further exposure.

Eyes: Flour dust may cause discomfort and the eyes should be washed with running water. Medical advice should be sought if the discomfort persists.

Skin: Flour can have a drying effect on the skin. For hygiene reasons it should be cleaned from broken skin to reduce risk of infection. There should be no adverse response from exposure to skin. It is only very rarely, if ever, the cause of dermatitis (see 8. Exposure and Controls below).

5: Fire Fighting Measures

Extinguish with Water(Red) or Foam (Cream).

Extinguish with Powder(Blue) should there be an electrical risk or electrical fire, when water and foam should not be used.

Extinguish with Foam(Cream) or Powder if burning liquids are involved.

Use of CO2 (Black), particularly large trolley-mounted extinguishers, may incur risk of generating an ignitable dust cloud.

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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 400^oC. Layers of flour on a hot surface can smoulder at around 200^oC, 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.

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11. Toxicological Information

This 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.

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HACCP - Process Flow Diagram

Process	Status	Checks / Monitoring
Wheat Intake	PRE REQ - pesticide, moisture, taint & infestation	All wheat is sampled and positively released
Wheat Storage		
Wheat Conditioning	CP - micro hazard from mains water	Water tested for micro content every year
Wheat Cleaning		
Milling		Daily detector tests and rejects sampled
Metal Detector	CCP - metal contamination	1.0Fe, 1.0Nfe, 2.0SS
Final Sieve	CCP - foreign body contamination	Sieve integrity and overtail checks
Storage		
Packing		2 hrly bag metal detector checks
Bag Metal Dec	CCP - metal contamination	2.5Fe, Nfe, 3.0 SS
Palletisation & Despatch		
Bulk Outloading		
Despatch	CP - Tanker hygiene	Tanker cleaning schedule