De Monchy Aromatics Limited BLACKHILL ROAD, HOLTON HEATH INDUSTRIAL PARK, HOLTON HEATH, POOLE, DORSET BH16 6LS UK tel: +44 (0)1202 620888 fax: +44(0)1202 620999



SAFETY DATA SHEET GHS: According to 2015/830/EU			
Code Number Version 7 Revised 10/1	800161 1/2020 09:43:29		
Section 1. Identification of the substance/mixture and of the company/undertakir			
1.1 Product I dentifier			
Product Name	MALTOL		
Code Number	800161		
Alternative Name			
REACH Reg No	Not registered		
1.2 Relevant identified	uses of the substance or mixture and uses advised against		
This material is not for See Section 16 Disclair	use in tobacco/tobacco products, E-Cigarettes or similar devices. ner.		
1.3 Details of the supp	lier of the safety data sheet		
	De Monchy Aromatics Limited		
	Blackhill Road, Holton Heath Industrial Park, Holton Heath, Poole, Dorset BH16 6LS, UK		
Telephone Number	+44 (0)1202 620888		
Email Address	technical.department@demonchyaromatics.com		
1.4 Emergency Tel No	+44 (0)1202 653646		
Section 2. Hazard I dent	tification		
2.1 Classification of the	e substance or mixture		
ATO 4	Acute toxicity, oral, category 4		
EH A2	Aquatic hazard, acute, category 2		
2.2 Label elements GHS classification acco Hazard Pictograms	ording to Regulation (EC) No 1272/2008		
Signal Word	Warning		

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SAFETY DATA SHEET GHS: According to 2015/830/EU		
Code Number Version 7 Revised	800161 10/11/2020 09: 43: 29	
Hazard Stateme	ents	
H302	Harmful if swallowed	
H401	Toxic to aquatic life	
Precautionary S	Statements	
P264	Wash hands thoroughly after handling	
P270	Do not eat, drink or smoke when using this product.	
P273	Avoid release to the environment.	
P301+P312	IF SWALLOWED: Call a POISON CENTRE if you feel unwell.	
P330	Rinse mouth.	
P501	Dispose of contents/container to contents and container.	
	s known from the allergens list which may produce an allergic reaction ation available at this time	
	ition / information on ingredients ted here for hazardous components are for illustrative purposes only	
3.1 Substances Description EC/EINECS CAS Number USCAS Number	MALTOL 204-271-8 118-71-8 118-71-8	
After inhalation Remove from the After skin conta Remove contamir advice if irritation After eye conta	tion 2 into account first aid measures exposure area to fresh air. Contact a doctor if necessary. act nated clothing. Wash thoroughly with soap and water. Seek medical persists or there is any sign of tissue damage.	

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After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

- 4.2 Most important symptoms and effects, both acute and delayed No further information available at this time
- 4.3 Indication of immediate medical attention and special treatment needed No further information available at this time

Section 5. Fire-fighting measures

- 5.1 Extinguishing Media Carbon dioxide, foam or dry powder DO NOT USE A DIRECT WATER JET.
- 5.2 Special hazards arising from the substance or mixture May produce Carbon dioxide and unidentified organic compounds.
- 5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Remove all sources of ignition.

Avoid inhalation, skin and eye contact. Ensure proper ventilation.

6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vemiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13 $\,$

Section 7. Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

SAFETY DATA SHEET GHS: According to 2015/830/EU		
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7.2 Conditions for safe storage, including any incompatibilities Sealed containers in a cool dark place. Check quality before use.		
7.3 Specific end use(s) No further information available		
Section 8. Exposure controls / personal protection 8.1 Control Parameters No information available		
8.2 Exposure controls Engineering controls No information available		
Individual protection measures Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period. Eye/face protection Wear safety goggles.		
Hand protection Wear chemically resistant disposable	e gloves.	
period. Respiratory protection	ely before breaks, meals and at the end of the work ion protection in poorly ventilated areas	
Thermal hazards No information available		
Environmental exposure controls No information available	S	
Section 9. Physical and chemical properties		
9.1 Information on basic physical a FLASH POINT (°C)	and chemical properties >93.00	
APPEARANCE	Off-white crystaline powder	
ODOUR DESCRIPTION	Sugary, sweet like jam and caramel	

	2:43:29
VAPOUR PRESSURE	No data available
AUTO-IGNITION TEMPERATURE	No data available
ODOUR THRESHOLD	No data available
рН	Not applicable for this product
EVAPORATION RATE	No data available
VAPOUR DENSITY	No data available
PARTITION COEFFICIENT	No data available
DECOMPOSTION TEMPERATURE	No data available
VISCOSITY	No data available
EXPLOSIVE PROPERTIES	Not determined (material not explosive)
OXIDISING PROPERTIES	Not determined (not an oxidising agent)
ection 10. Stability and reactivit 10.1 Reactivity Not determined	у
10.2 Chemical Stability	
Not determined	ctions
Not determined 10.3 Possibility of hazardous rea Not determined	
10.3 Possibility of hazardous rea Not determined	
10.3 Possibility of hazardous rea Not determined 10.4 Conditions to avoid Extreme temperatures 10.5 Incompatible materials	ay produce unknown reaction products and so cause
 10.3 Possibility of hazardous rea Not determined 10.4 Conditions to avoid Extreme temperatures 10.5 Incompatible materials Highly reactive chemicals which m 	ay produce unknown reaction products and so cause

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MALTOL (CAS: 118-71-8) Oral route: Data not available

LD50 Oral, rat: 1410 mg/kg. LD50 Dermal, Rabbit: No information available. LD50 Inhalation, Rat: No information available.

Skin corrosion / irritation

No data available

Serious eye damage / irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity No data available

Carcinogenicity No data available

Reproductive toxicity No data available

STO-single exposure No data available

STO-repeated exposure No data available

Aspiration hazard No data available

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available

Interactive effects

No data available

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Other information No data available	
Section 12. Ecological info 12.1 Toxicity No data available; avoid a	ormation soil, surface water and water-bearing stratum contamination
12.2 Persistence and dec No data available	gradability
12.3 Bioaccumulative po No data available	tential
12.4 Mobility in soil No data available	
12.5 Results of PBT and No data available	vPvB assessment
12.6 Other adverse effec No data available	ts
Section 13. Disposal cons Please refer to the informat 13.1 Waste treatment me	ion in section 8 (Exposure controls and personal protection)
Dispose in accordance wi	th the law and local regulations. Treat as trade effluent.
Section 14. Transport info	
14.1 UN number	Not Regulated
14.2 UN proper shipping	name
14.3 Transport hazard cl	ass(es)
14.4 Packing group	
Tunnel Code	
14.5 Environmental Haza No relevant information a	
14.6 Special precautions No relevant information a	

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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No relevant information available at this time

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

Section 16. Other information

Full list of precautionary phrases

P264	Wash hands thoroughly	after handling

- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P301+P312 IF SWALLOWED: Call a POISON CENTRE if you feel unwell.
- P330 Rinse mouth.
- P501 Dispose of contents/container to contents and container.

References and further information

This product has not been tested, nor deemed safe, for use in tobacco/tobacco products, electronic cigarettes or similar devices. De Monchy Aromatics Limited instructs all customers not to use this material in the manufacture of tobacco / tobacco products, E-Cigarettes or any component thereof unless each customer takes all necessary steps to ensure its suitability and safety for such use.

Information in this SDS has been obtained from either measured values or from available published sources and is believed to be accurate. No warranty, express or implied, is made and De Monchy Aromatics Limited assumes no liability resulting from the use of this SDS. The information is offered in good faith but users of this material need to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for their application.

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IFRA Conformity Certificate

Compound Name : MALTOL Code Number : 800161

We certify that the above compound is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA-48th amendment), provided it is used at a maximum concentration level of:

IFRA category (*)	Maximum level of use (%)(w/w) (**)
1 (***)	N/A (***)
2	N/A
3A	N/A
3В	N/A
3C	N/A
3D	N/A
4A	N/A
4B	N/A
4C	N/A
4D	N/A
5	N/A
6 (***)	N/A (***)
7A	N/A
7B	N/A
8A	N/A
 8B	N/A
9A	N/A
9B	N/A
9C	N/A
10A	N/A
10B	N/A
11	N/A

(*) See annex for definition of IFRA categories

(**) Usage limit N/A = Not Applicable; no IFRA restrictions (***) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings

For other kinds of application or use at higher concentrations, a new safety evaluation may be needed; please contact De Monchy Aromatics Limited

The IFRA Standards regarding restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITIUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

This information is valid when issued by De Monchy Aromatics Ltd or any of its subsidiaries The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. It is your responsibility to ensure that the usage of the fragrance ingredients and the levels of such usage are permitted at all times according to the relevant laws and regulations

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Finished Product Types	IFRA category
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's Toys	1
Deodorant and Antiperspirant Products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne and body spray, etc.) Nose Pore Strips Fragranced Bracelets	
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) - EdT	ЗA
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) - Fine Fragrance	3В
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) including eye care Men's Facial Creams and Balms Baby Creams, Lotions, Oils Body Paint for Children	3C
Tampons	3D
EdT - Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum Ingredients of Perfume Kits Scent Pads, Foil packs Scent Strips for hydroalcoholic products	
Fine Fragrance - Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne,eau de cologne, Eau de Parfum or Parfum	4B
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc.) Body Creams, Oils, Lotions of all types (except baby creams, lotions and oils) Body sprays (including Body Mist) with no intended or reasonably foreseeable use on the axillae Fragrance Compounds for Cosmetic Kits Foot Care Products Hair deodorant Body Paint (except those for children)	
Fragrancing Cream, Solid Perfumes	4D
Facial Masks Women's Facial Creams/Facial Make-up, Hand Cream, Hand sanitizers, Baby Powder and Talc, Hair Permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes, Wipes or Refreshing Tissues for Face, Neck, Hands, Body, Dry Shampoo or Waterless Shampoo	5(*) 5
Mouthwash, including Breath Sprays, Toothpaste	6
Intimate Wipes, Baby Wipes	7A
Insect Repellent (intended to be applied to the skin)	7B
Make-up Removers of all types (not including face cleansers), Hair Styling Aids Non-Spray of all types (mousse, gels, leave-conditioners, etc.), Nail Care, Powders and talcs, all types (except baby powders and talcs)	8A
Hair Dyes	8B
Conditioner (Rinse-Off), Liquid Soap, Shampoos of all types (including baby shampoos), Face Cleansers of all types (washes, gels, scrubs, etc.), Shaving Creams of all types (stick, gels, foams, etc.), All Depilatories (including waxes for mechanical hair removal), Body Washes of all types (including baby washes) and Shower Gels of all types, Bar Soap (Toilet Soap), Bath Gels, Foams, Mousses, Salts, Oils and Other Products added to bathwater	9A
Feminine hygiene - pads, liners, Toilet paper, Wheat bags	9B
Facial tissues, Napkins, Paper towels, Other Aerosols (including air freshener sprays and air freshener pump sprays, but not including deodorants/antiperspirants, hair styling aids sprays)	9C

Finished Product Types	
Handwash Laundry Detergents of all types including concentrates, Fabric Softeners of all types including fabric softener sheets, Household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners, etc.). Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleach and concentrates, Hand Dishwashing Detergent including concentrates, Hard Surface Cleaners of all types (bathroom and kitchen cleaners, furniture polish, etc.). Shampoos for pets, Dry cleaning kits, Scented gloves, socks, tights with moisturizers	10A
Diapers, Toilet seat wipes	10B
All non-skin contact or incidental skin contact including:	11
Candles, Air Fresheners and Fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, solid substrate, membrane delivery, electrical), Air Delivery Systems, Cell phone cases, Pot pourri, powders, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), Reed diffusers, Liquid refills for air fresheners (cartridge systems), Shoe Polishes, Deodorizers/Maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders), Insecticides (mosquito coil, paper, electrical, for clothing etc.) excluding aerosols, Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization), Air freshening crystals, Toilet Blocks, Joss Sticks or Incense Sticks, Machine Dishwash Detergent and Deodorizers, Machine-only Laundry Detergent (e.g. liquitabs)**, Plastic articles (excluding toys), Fuels, Fragranced lamp ring, Scratch and Sniff (sampling technology), Paints, Cat Litter, Animal Sprays (all types), Treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics), Floor Wax, Odored Distilled Water (that can be added to steam irons)	

* Class 5, Facial masks: There are several types of masks: peel off (similar to rinse-off, rinse-off and leave-on (you only remove the excess with a facial tissue). To ease the split the most restrictive, i.e. leave-on is applied for all.

** Liquitabs corresponds to a dose of liquids wrapped in a film: no contact with hands is expected under normal conditions of use

The table was prepared with the intention to cover the vast majority of the products; however it may not cover some specific applications. In this case other classes may be attributed based on a specific risk assessment.

Allergen Analysis

Compound Name : MALTOL

Code Number : 800161

		Concentratior (%) o	n present as a p r 'A' for absent	ercentage in
ingredient	CAS No.	Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	A	
Amyl Cinnamal	122-40-7	A	A	
Amylcinnamyl Alcohol	101-85-9	A	A	
Anise Alcohol	105-13-5	A	A	
Benzyl Alcohol	100-51-6	A	A	
Benzyl Benzoate	120-51-4	A	A	
Benzyl Cinnamate	103-41-3	A	A	
Benzyl Salicylate	118-58-1	A	A	
Butylphenyl Methylpropional (Lilial)	80-54-6	A	A	
Cinnamal	104-55-2	A	A	
Cinnamyl Alcohol	104-54-1	A	A	
Citral	106-26-3	A	A	
	141-27-5			
	5392-40-5			
Citronellol	106-22-9	A	А	
	1117-61-9			
	141-25-3			
	6812-78-8			
	68916-43-8			
	7540-51-4			
Coumarin	91-64-5	A	A	
Eugenol	97-53-0	A	A	
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	A	
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	A	
Farnesol	4602-84-0	A	A	
Geraniol	106-24-1	A	A	
Hexyl Cinnamal	101-86-0	A	A	
Hydroxycitronellal	107-75-5	A	A	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	A	A	
Isoeugenol	97-54-1	A	A	
Limonene	138-86-3	A	A	
	5989-27-5			
	5989-54-8			
	7705-14-8			
Linalool	126-90-9	A	A	
	126-91-0			
	78-70-6			
Methyl 2-Octynoate	111-12-6	A	A	

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Ingredient Declaration for label
Compound Name : MALTOL
Code Number : 800161
Suggested labelling for foodstuffs according to (EU) 1169/2011
Flavour labelling Flavouring substance
Contains:
Legal Composition
List of flavouring categories and other ingredients in descending order of weight
Any substances which are restricted in food are listed below

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Food Allergen Declaration

According to (EU) 1169/2011

Compound Name : MALTOL

Code Number : 800161

We have carefully reviewed the ingredients in this product.

Allergen Source	Present
Celery and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	No
Lupin and products thereof	No
Milk and products thereof (including lactose)	No
Molluscs and products thereof	No
Mustard and products thereof	No
Nuts i.e. Almond, Hazelnut, Walnut, Cashew, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut and Queensland nut and products thereof	No
Peanuts and products thereof	No
Sesame seeds and products thereof	No
Soybeans and products thereof	No
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO2	No

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Vegetarian Declaration

Compound Name : MALTOL

Code Number : 800161

Vegan	Y	Free from all animal products or animal by-products including eggs, milk products, honey and free from all products or by-products of the fishing industry, including additives and processing aids
Vegetarian	Y	Free from all animal products or animal by-products with the exception of eggs, milk products, honey and free from all products or by-products of the fishing industry, including additives and processing aids
Ovo-lacto Vegetarian	Y	May include egg, dairy and bee products. No other ingredients of animal origin or animal derivatives, including additives and processing aids are allowed

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According to 1829/2003/EC

Compound Name : MALTOL

Code Number : 800161

We have carefully reviewed the ingredients in this product for their potential genetically modified (GM) origin. The list includes ingredients which may be produced from other GM ingredients

Material	Present	Of GMO Origin
Chicory	No	-
Cotton	No	-
Maize	No	-
Potato	No	-
Rapeseed (Canola)	No	-
Soya	No	-
Sugar Beet	No	-
Tomato	No	-
Wheat	No	-

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