



Specification

Product Name: Hazelnut Flavour Drop

Product Code: SPEC0105

Description:

Food Flavouring Drops are premium quality water soluble intense flavours which provide an exceptionally efficient method of adding flavour. They are a highly concentrated, versatile, multi-use product for both food and liquid. They should be used sparingly; 1-2 ml is ample to flavour 1 litre of base liquid. Each 30ml bottle contains approximately 800 drops. Food Flavouring Drops disperse well in most foods and drinks. They are ideal for flavouring cakes, icings, fondants, ice cream, sorbets, cupcakes, pastry, salads, sauces, frostings, ganache, desserts, cocktails, drinks, cream, wine, beer, spirits, sweets and more. They can also be used to enhance the flavour of a dish, without changing the texture of the original product.

Odour & Flavour:

Characteristic. Conforms to standard.

Ingredients:

Flavouring preparations, Flavouring substances, Propylene Glycol (E1520).

Dietary Information:

Suitable for Vegans, Ovo-lacto Vegetarians & Vegetarians, Non-GMO, Gluten Free, Allergen Free, Non-Irradiated, No Added Sugar.

Nutritional Information:

Energy: 1673.6kj/400kcal (Based on 100g).

Storage:

Dark, dry and cool conditions, not in direct sunlight.

Packaging:

30ml	5060341112225
500ml	5056191010873
1 Litre	5056191006333
5 Litre	5056191006340

Country of Origin:

United Kingdom.

Shelf Life:

24 months if stored as above and unopened.

Density (g/ml) at 20°C:

1.030 – 1.050

Refractive Index at 20°C:

1.425 – 1.445

Flashpoint °C (closed cup):

>60.

Labelling according to Regulation (EC) No. 1334/2008:

Flavouring.

Hazards:

Non hazardous

Allergen Declaration

Allergen	Contains (Y/N)
Cereals containing Gluten	N
Crustaceans	N
Eggs	N
Fish	N
Peanuts	N
Soybeans	N
Milk	N
Nuts	N
Celery	N
Mustard	N
Sesame Seeds	N
Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide)	N
Lupin	N
Molluscs	N



Material Safety Data Sheet

1: Identification of the substance/mixture and of the company/undertaking:

1.1 – Product identifier

Product form: Mixture, Product name: Hazelnut Flavour Drop

1.2 – Relevant identified uses of the substance or mixture and uses advised against:

1.2.1: Relevant identified uses: use of the substance/mixture: Food and/or beverage flavouring.

1.2.2: Uses advised against: Restrictions on use: Not for direct consumption.

1.3 – Details of the supplier of the safety data sheet:

Company: Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN. Tel: 0044 (0)1246 906247,

1.4 - Emergency Telephone Contact: 07701 095864. <https://specialingredients.co.uk/pages/contact>

2: Hazards Identification:

2.1 – Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP): Not classified.

Adverse physicochemical, human health and environmental effects: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2 – Label elements:

Labelling according to Regulation (EC) no. 1272/2008 {CLP}: No labelling applicable.

2.3 – Other hazards:

No additional information available.

3: Composition/Information on Ingredients:

3.1 – Substances:

Not applicable.

3.2 – Mixtures:

Name	Product identifier	%	Classification according to Regulation (EC) no.1272/2008 (CLP)
Propylene glycol substance with national workplace exposure limit(s) (GB)	(CAS-No.) 57-55-6 (EC-No.) 200-338-0	≥80	Not classified

4: First Aid Measures:

4.1 – Description of First Aid Measures:

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First Aid Measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First Aid Measures after skin contact: Wash Skin with plenty of water.

First Aid Measures after eye contact: Rinse eyes with water as a precaution.

First Aid Measures after ingestion: Call a poison centre or a doctor if you feel unwell.

4.2 – Most important symptoms and effect, both acute and delayed:

No additional information available.

4.3 – Indication of any immediate medical attention and special treatment needed:

Treat Symptomatically.

5: Firefighting Measures:

5.1 - Extinguishing media:

Suitable extinguishing media: Water spray, Dry powder, Foam, Carbon dioxide.

5.2 – Special hazards arising from the substance or mixture:

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 – Advice for firefighters:

Protection during firefighting: Do not attempt to take action without suitable protective equipment.

Self-contained breathing apparatus. Complete protective clothing.

6: Accidental Release Measures:

6.1 – Personal precautions, protective equipment and emergency procedures:

6.1.1 – For non-emergency personnel:

Emergency Procedures: Ventilate spillage area.

6.1.2 – For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8. "Exposure controls/ personal protection."

6.2 – Environmental Precautions:

Avoid release to the environment.

6.3 – Methods and material for containment and cleaning up:

Methods for cleaning up: Take up liquid spill into absorbent material,

Other information: Dispose of materials or solid residues at an authorized site.

6.4 – Reference to other sections:

For further information refer to section 13.

7: Handling and Storage:

7.1 – Precautions for safe handling:

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene Measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2 – Conditions for safe storage, including any incompatibilities:**

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 – Specific end use(s):

No additional information available.

8: Exposure Controls/ Personal Protection:**8.1 – Control parameters:**

Propylene glycol (57-55-6)		
United Kingdom	Local name	Propane-1,2-diol
United Kingdom	WEL TWA (OEL TWA) [1]	474 mg/m ³ 10 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	150 ppm
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2 – Exposure controls:**8.2.1 – Appropriate engineering controls:**

Ensure good ventilation of the workstation.

8.2.2 – Personal protection equipment:

Hand Protection					
Protective gloves against chemicals (EN 374)					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	5 (> 240 minutes)	0.20-0.30	2 (< 1.5)	EN 420, EN 16523-1, EN ISO 374-1, EN 374-2, EN 374-4, EN 374-5
Eye protection					
Safety glasses					
Type	Field of application		Characteristics	Standard	
Safety Goggles	Droplet, Dust		Clear, Plastic	EN 166 1B3	
Skin and body protection					
Type			Standard		
Lab Coat			ASTM F903		
Respiratory Protection					
In case of insufficient ventilation, wear suitable respiratory equipment					
Device	Filter type		Condition	Standard	
Powered Air-purifying Respirator (PAPR)	Filter AX (brown), Filter P (white), Type A – High Boiling (>65 °C) organic compounds		Protection for liquid particles, Protection for solid particles, Short term exposure	EN 12941	

Person protective equipment symbols:**8.2.3 – Environmental exposure controls:**

Avoid Release to the environment.

9: Physical and Chemical Properties:**9.1 – Information on basic physical and chemical properties:**

Physical state:	Liquid,
Colour:	Dark Brown,
Odour:	Characteristic, Conforms to standard.
Odour threshold:	No data available.
PH:	No data available.
Relative evaporation rate (butylacetate):	No data available.
Melting point:	Not applicable.
Freezing point:	No data available.
Boiling point:	No data available.
Flash point:	> 60°C,
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Flammability (solid, gas):	Not applicable.
Vapour pressure:	No data available.
Relative vapour density at 20°C:	No data available.
Relative density:	No data available,
Density:	1.04 (1.03 – 1.05) g/ml at 20°C.
Solubility:	No data available.
Partition coefficient n-octanol/water (Log Pow):	No data available.
Viscosity, kinematic:	No data available.
Viscosity, dynamic:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.
Explosive limits:	No data available.

9.2 – Other information:

Refractive index: 1.425 – 1.445

10: Stability and Reactivity:**10.1 – Reactivity:**

This product is non-reactive under normal conditions of use, storage and transport.

10.2 – Chemical Stability:

Stable under normal conditions.

10.3 - Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

10.4 – Conditions to avoid:

None under recommended storage and handling conditions (see Section 7).

10.5 – Incompatible materials:

No additional information available.

10.6 – Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11: Toxicological Information:**11.1 – Information on toxicological effects**

Acute toxicity (oral):	Not classified.
Acute toxicity (dermal):	Not classified.
Acute toxicity (inhalation):	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.
Aspiration hazard:	Not classified.
Other information:	Special Ingredients Ltd do not test on animals, this is historical information.

12: Ecological Information:**12.1 – Toxicity:**

Ecology – General: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, Long-term (Chronic): Not classified.

12.2 – Persistence and Degradability:

Propylene glycol (57-55-6)	
Persistence and degrad	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.96 – 1.08g O ₂ /g Substance
Chemical oxygen demand (COD)	1.63g O ₂ /g Substance
ThOD	1.69g O ₂ /g Substance

12.3 - Bioaccumulative Potential:

No additional information available.

12.4 - Mobility in soil:

Propylene glycol (57-55-6)	
Surface tension	71.6 mN/m (21.5°C, 1.01 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Ecology – soil	Highly mobile in soil.

12.5 - Results of PBT and vPvB assessment:

Component	
Propylene glycol (57-55-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the cPcB criteria of REACH regulation, annex XIII.

12.6 – Other adverse effects

No additional information available.

13: Disposal Considerations:**13.1 – Waste treatment methods:**

Waste treatment methods: Dispose of contents/ container in accordance with licensed collectors sorting information.

14: Transport Information:

In accordance with ADR/IMDG/IATA/ADN/RID.

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3 Transport hazard classes				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No Supplementary information available				

14.6 – Special precautions for user:

Overland transport: Not applicable.

Transport by Sea: Not applicable.

Air Transport: Not applicable.

Inland waterway transport: Not applicable.

Rail transport: Not applicable.

14.7 – Transport in bulk according to Annex II of Marpol and the IBC code:

Not applicable.

15: Regulatory Information:**15.1 – Safety, health and environmental regulations/legislation specific for the substance or mixture:****15.1.1 – EU regulations:**

Contains no REACH Substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no Reach Annex XIV substances.

Contains no substance subject to Regulation (EU) No. 649/2012 of the European Parliament and of the Council of 4th July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20th June 2019 on persistent organic pollutants.

15.1.2 – National Regulations:

No additional information available.

15.2 – Chemical safety assessment:

No chemical safety assessment has been carried out.

16: Other Information:

Abbreviations and acronyms	
ADN	European Agreement concerning the international carriage of dangerous goods by inland waterways
ADR	European Agreement concerning the international carriage of dangerous goods by road
ATE	Acute toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived minimal effect level
DNEL	Derived-no effect level
EC-No.	European community number
EC50	Median effective concentration
EN	European standard
IARC	International Agency for research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the international Carriage of Dangerous Goods by Rail

SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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