



Specification

Product Name: Orange Flavour Drop
Product Code: SPEC0119

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.

Dietary Information:

Suitable for Vegans, Ovo-lacto Vegetarians & Vegetarians, Non-GMO, Gluten Free, Halal Friendly, Kosher Friendly, 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. Use within 6 months of opening.

Packaging:

30ml, 1 Litre, 5 Litre.

Country of Origin:

United Kingdom.

Shelf Life:

9 months if stored as above and unopened.

Density (g/ml) at 20°C:

0.840 – 0.850

Refractive Index at 20°C:

1.470 – 1.480

Flashpoint °C (closed cup):

>50.

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

Flavouring.

Hazards:

Flammable, Harmful, Irritant. Dangerous for the environment, See material safety datasheet for further information.

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: Flavouring SS.722.

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>www.specialingredients.co.uk

2: Hazards Identification:

2.1 – Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP): Flammable liquids, Category 3 : H226, Skin corrosion/irritation, Category 2: H315, Skin sensitisation, Category 1: H317, Hazardous to the aquatic environment – Acute Hazard, Category 1: H400, Hazardous to the aquatic environment – Chronic Hazard, Category 1: H410, Full text of H- and EUH-statements: See section 16, Adverse psychochemical, human health and environmental effects: Flammable liquid and vapour, Causes skin irritation, May cause an allergic skin reaction, Very toxic to aquatic life with long lasting effects.

2.2 – Label elements:

Labelling according to Regulation (EC) no. 1272/2008 {CLP},
Hazard Pictograms (CLP):



Signal word (CLP): - Warning, Hazard ingredients: Lemon Oil Orange oil, Hazard statements (CLP): H226 – Flammable Liquid and vapour, H315 – Causes skin irritation, H317 – May cause an allergic skin reaction, H410 – Very toxic to aquatic life with long lasting effects, Precautionary statements (CLP): P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources, No smoking. P233 – Keep container tightly closed, P230 – Ground and bond container and receiving equipment, P241 – Use explosion-proof electrical/ ventilating, lighting equipment, P261 – Avoid breathing dust/fume/gas/mist/vapours/spray, P264 – Wash hands, forearms and face thoroughly after handling.

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)
Orange Oil	(CAS-No.) 8028-48-6 (EC-No.) 232-433-8	≥80	Flam. Liq 3. H226 Skin Irrit. 2 H315 Skin Sens. 1, H317 Aquatic Acute 1, H400, Aquatic Chronic 1, H410
Lemon Oil	(CAS-No.) 84929-31-7 (EC-No.) 284-515-8	1 – 5	Flam. Liq 3. H226 Skin Irrit. 2 H315 Skin Sens. 1, H317 Aquatic Acute 1, H400,

			Aquatic Chronic 1, H410
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Full Text of H- and EUH statements: see section 16.

4: First Aid Measures:

4.1 – Description of First Aid Measures:

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:

Symptoms/effects after skin contact: Irritation, May cause an allergic skin reaction.

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:

Fire hazard: Flammable liquid and vapour, 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, No open flames, No sparks and no smoking, Avoid contact with skin and eyes, Avoid breathing dust/fume/gas/mist/vapour/spray.

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:

Collect spillage, Methods for cleaning up: Take up liquid spill into absorbent material, Notify authorities if product enters sewers or public waters, 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, Keep away from heat, hot surfaces, sparks, open flames and other ignition sources, No smoking, Ground/bond container and receiving equipment, Use only non-sparking tools, Take precautionary measures against static discharge, Flammable vapours may accumulate in the container, Use explosion-proof equipment, Wear personal protective equipment, Avoid contact with skin and eyes, Avoid breathing dust/fume/gas/mist/vapours/spray. Hygiene measures: Wash contaminated clothing before reuse, Contaminated work clothing should not be allowed out of the workplace, 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:

Technical measures: Ground/bond container and receiving equipment, Storage conditions: Store in a well-ventilated place, Keep cool, Keep container tightly closed.

7.3 – Specific end use(s):

No additional information available.

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

No additional information available.

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

Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2 – Personal protection equipment:

Hand Protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitril rubber (NBR)	5 (> 240 minutes)	0.20-0.30	2 (< 1.5)	EN 420, EN 16523-1, EN ISO 375-1, EN 374-2, EN 374-4, EN 374-5
Eye protection					
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					
Device	Filter type		Condition	Standard	

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

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: Amber, Appearance: Mobile liquid, Odour: Characteristic, Conforms to standard, Odour threshold: Not available, Melting point: Not applicable, Freezing point: Not available, Boiling point: Not available, Flash point: > 60°C, Auto-ignition temperature: Not available, Decomposition temperature: Not available, Flammability (solid, gas): Not applicable, Vapour pressure: No data available, Relative vapour density at 20°C: Not available, Relative density: Not available, Density: 0.845 (0.84-0.85)g/ml, Solubility: Soluble in water, Partition coefficient n-octanol/water (Log Know): Not 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: 1.47 – 1.48.

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

Flammable liquid and vapour.

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:

Avoid contact with hot surfaces, heat, no flames, no sparks, eliminate all sources of ignition.

10.5 – Incompatible materials:

No additional information available.

10.6 – Hazardous decomposition products:

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

11: Toxicological Information:

11.1 – Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity (oral): Not classified, Acute toxicity (dermal): Not classified, Acute toxicity (inhalation): Not classified, Skin corrosion/irritation: Causes skin irritation, Serious eye damage/irritation: Not classified, Respiratory or skin sensitisation: May cause an allergic skin reaction, 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.

12: Ecological Information:

12.1 – Toxicity:

Ecology – General: Very toxic to aquatic life with long lasting effects, Hazardous to the aquatic environment, short-term (acute): very toxic to aquatic life, Hazardous to the aquatic environment, Long-term (Chronic): Very toxic to aquatic life with long lasting effects.

12.2 – Persistence and Degradability:

No additional information available.

12.3 - Bioaccumulative Potential:

No additional information available.

12.4 - Mobility in soil:

No additional information available.

12.5 - Results of PBT and vPvB assessment:

No additional information available.

12.6 – Endocrine disrupting properties:

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, Additional information: Flammable vapours may accumulate in the container.

14: Transport Information:

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

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
UN 1993	UN 3082	UN 1993	UN 1993	UN 1993
14.2 UN proper shipping name				
FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes)	ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes)	FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes)	FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes)

	(Orange oil, sweet, terpenes)			
Transport document description				
UN 1993 FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes), 3, III, (D/E), ENVIRONMENTAL LY HAZARDOUS	UN 3082 ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Orange oil, sweet, terpenes), 9, III, Marine Pollutant	UN 1993 FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes), 3, III, (D/E), ENVIRONMENTAL LY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes), 3, III, (D/E), ENVIRONMENTAL LY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S (Orange oil, sweet, terpenes), 3, III, (D/E), ENVIRONMENTAL LY HAZARDOUS
14.3 Transport hazard classes				
3	9	3	3	3
14.4 Packing group				
III	III	III	III	III
14.5 Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes, Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No Supplementary information available				

14.6 – Special precautions for user:

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Overland transport: Classification code: F1, Special provisions: 274, 601, Limited quantities: 5L, Excepted quantities (ADR) E1, Packing instructions (ADR): P001, IBC03, LP01, R001, Mixed packing provisions (ADR): MP19, Portable tank and bulk container instructions (ADR): T4, Portable tank and bulk container special provisions (ADR): TP1, TP29, Tank code (ADR) LGBF, vehicle for tank carriage: FL, Transport category (ADR): 3, Special provisions for carriage – packages (ADR): V12, Special provisions for carriage – operation (ADR): S2, Hazard identification number (Kemler no.): 30, Orange plates

Tunnel restriction code (ADR): D/E, EAC code: •3YE, **Transport by Sea:** Special provisions (IMDG): 274, 335, 989, Limited quantities (IMDG): 5 L, Excepted quantities (IMDG): E1, Packing instructions (IMDG): LP01, P001, Special packing provisions (IMDG): PP1, IBC packing instructions (IMDG): IBC03, Tank instructions (IMDG): T4, Tank special provisions (IMDG): TP1, TP29, EmS - No. (Fire): F-A, EmS (spillage): S-F, Stowage category (IMDG): A, **Air Transport:** PCA excepted quantities (IATA): E1, PCA Limited quantities (IATA): Y344, PCA limited quantity max net quantity (IATA): 10L, PCA packing instructions (IATA): 355, PCA max net quantity: 60L CAO packing instructions (IATA): 366, CAO max net quantity (IATA): 220L, Special provisions (IATA): A3, ERG code (IATA): 3L, **Inland waterway transport:** Classification code: (ADN): F1, Special provisions (ADN): 274, 601, Limited quantities (ADN): 5L, Excepted quantities (ADN): E1, Equipment required (ADN): PP, EX, A, Ventilation (ADN): VE01, Number

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of blue cones/lights (ADN): 0, **Rail transport:** Classification Code (RID): F1, Special provisions (RID): 274,601, Limited quantities (RID): 5L, Excepted quantities (RID): E1, Packing instructions (RID): P001, IBC03, LP01, R001, Mixed packing provisions (RID): MP19, Portable tank and bulk container instructions (RID): T4, Portable tank and bulk container special provisions (RID): TP1, TP29, Tank codes for RID tanks (RID): LGBF, Transport category (RID): 3, Special provisions for carriage – Packages (RID): W12, Colis express (express parcels) (RID): CE4, Hazard identification number (RID): 30

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 Substance(s) listed on REACH Annex XVII with Annex XVII Restrictions, Contains no substance(s) listed 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.

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

Abbreviations and acronyms:	
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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

Full Text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment- Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains Citral(5392-40-5), Lemon Terpenes Distilled(68917-33-9), May produce an allergic reaction
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Skin irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin Sensitisation, Category 1

The information contained herein is to the best of our knowledge, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.