

Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

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

1.1. Product identifier

Product name: Lemon Distilled Spanish Essential Oil
CAS number: 84929-31-7
EINECS number: 284-515-8
INCI name: Citrus Limonum

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

Product uses: Flavours, fragrances

1.3. Details of the supplier of the safety data sheet

Company name: Bath and Body Base Ltd
2A Laurel Way
Bishop Auckland
Co. Durham
DL14 7NF
Tel: 07493 064263
Email: technical@bathandbodybase.com

1.4. Emergency telephone number

Emergency tel: 07493 064263

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3
Skin Corrosion/Irritation Category 2
Sensitization - Skin Category 1
Toxic to Reproduction Category 2
Aspiration Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H361, Suspected of damaging fertility or the unborn child (exposure route).
H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Classification under Regulation (EC) No 1272/2008

Hazard statements:	H226, Flammable liquid and vapour. H304, May be fatal if swallowed and enters airways. H315, Causes skin irritation. H317, May cause an allergic skin reaction. H361, Suspected of damaging fertility or the unborn child (exposure route). H411, Toxic to aquatic life with long lasting effects.
Signal word:	Danger
M factor:	None
Supplemental information:	None
Pictograms:	



Precautionary statements:	P202, Do not handle until all safety precautions have been read and understood. P210, Keep away from heat, sparks, open flames and hot surfaces - no smoking. P233, Keep container tightly closed. P240, Ground/bond container and receiving equipment. P241, Use explosion-proof electrical, ventilating and lighting equipment. P242, Use only non-sparking tools. P243, Take precautionary measures against static discharge. P261, Avoid breathing vapour or dust. P264, Wash hands and other contacted skin thoroughly after handling. P272, Contaminated work clothing should not be allowed out of the workplace. P273, Avoid release to the environment. P280, Wear protective gloves/eye protection/face protection. P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P308/313, IF exposed or concerned: Get medical advice/attention. P331, Do not induce vomiting. P333/313, If skin irritation or rash occurs: Get medical advice/attention. P362, Take off contaminated clothing and wash before reuse. P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction. P391, Collect spillage. P403/235, Store in a well-ventilated place. Keep cool. P405, Store locked up. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.
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2.3. Other hazards

Other hazards: Hydrocarbon concentration %: 109.0000%

Section 3: Composition/information on ingredients

3.1. Substances

Product identity: Lemon Oil Distilled Spanish; CAS: 84929-31-7

Contains:

Name	CAS	EC	Max	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
d-Limonene	5989-27-5	227-813-5	69.00%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410,-	M = 1
p-Mentha-1,4-diene	99-85-4	202-794-6	17.00%	Flam. Liq. 3-Repr. 2-Asp. Tox 1;H226-H304-H361,-	oral: ATE = 3850mg/kg bw
beta-Pinene	127-91-3	204-872-5	17.00%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410,-	M = 1
Citral	5392-40-5	226-394-6	4.00%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1;H315-H317-H319,-	dermal: ATE = 2250mg/kg bw
alpha-Pinene	80-56-8	201-291-9	3.50%	Flam. Liq. 3-Acute Tox.4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H302-H304-H315-H317-H410,-	M = 1 oral: ATE = 500mg/kg bw
Myrcene	123-35-3	204-622-5	2.50%	Flam. Liq. 3-Skin Irrit.2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2;H226-H304-H315-H319-H400-H411,-	M = 1
Geranyl acetate	105-87-3	203-341-5	1.50%	Skin Irrit. 2-Skin Sens.1B-Aquatic Chronic 3;H315-H317-H412,-	
Linalool	78-70-6	201-134-4	1.00%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	oral: ATE = 2790mg/kg bw
Neryl acetate	141-12-8	205-459-2	1.00%	Skin Sens. 1B;H317,-	
beta-Caryophyllene	87-44-5	201-746-1	0.20%	Skin Sens. 1B-Asp.Tox 1-Aquatic Chronic 4;H304-H317-H413,-	

Section 4: First aid measures

4.1. Description of first aid measures

Skin exposure:	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Eye exposure:	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Inhalation:	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
 Causes skin irritation.
 May cause an allergic skin reaction.
 Suspected of damaging fertility or the unborn child (exposure route).

4.3. Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable media: Carbon dioxide, dry chemical, foam.

5.2. Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, unidentified organic compounds.

5.3. Advice for fire-fighters

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2. Environmental precautions

Keep away from drains, surface and ground water, and soil.

6.3. Methods and material for containment and cleaning up

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4. Reference to other sections

Also refer to Sections 8 and 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks, open flames and hot surfaces - no smoking.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3. Specific end use(s)

Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8: Exposure controls/personal protection
8.1. Control parameters

Workplace exposure limits: Not applicable.

8.2. Exposure controls

Respiratory protection: Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel:

- a) Increase ventilation of the area with local exhaust ventilation.
- b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters.
- c) Use closed systems for transferring and processing this material.

Eye/skin protection: Wear protective gloves/eye protection/face protection.

Other: Also refer to Sections 2 and 7.

Section 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state/colour:	Water white liquid
Odour:	Fresh sweet citrus
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	43°C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.8470 - 0.8700
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2. Other information

Other information: None available.

Section 10: Stability and reactivity
10.1. Reactivity

Presents no significant reactivity hazard, by itself or in contact with water.

10.2. Chemical stability

Good stability under normal storage conditions.

10.3. Possibility of hazardous reactions

Not expected under normal conditions of use.

10.4. Conditions to avoid

Avoid extreme heat.

10.5. Incompatible materials

Avoid contact with strong acids, alkalis or oxidising agents.

10.6. Hazardous decomposition product

Not expected.

Section 11: Toxicological information
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:	Based on available data the classification criteria are not met.
Acute toxicity oral:	>5000
Acute toxicity dermal:	>5000
Acute toxicity inhalation:	Not available
Skin corrosion/irritation:	Skin Corrosion/Irritation Category 2
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Toxic to Reproduction Category 2
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture:

Component	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route

alpha-Pinene	80-56-8	201-291-9	500	Not available	Not available	Not available
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Refer to Sections 2 and 3 for additional information.

11.2. Information on other hazards

Not applicable.

Section 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Endocrine disrupting properties

Not available.

12.7. Other adverse effects

Not available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport information

	UN Number	UN Proper Shipping Name	Transport Hazard Class (es)	Packing Group
UN Model Regulations	UN1197	Extracts, Liquid	3	III
IMDG	UN1197	Extracts, Liquid (d-Limonene) Marine Pollutant	3	III

ADR, RID, ADN	UN1197	Extracts, Liquid	3	III
ICAO TI	UN1197	Extracts, Liquid	3	III

Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

Special precautions for user: None additional.

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

None additional.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16: Other information

16.1. Other information

Concentration % Limits: SCI 2=10.15% SS 1=1.45% REP 2=17.65% AH 1=9.17%
EH C2=2.79% EH C3=0.27850499% EH C4=26.74%

Total Fractional Values: SCI 2=9.85 SS 1=69.00 REP 2=5.67 AH 1=10.90 EH C2=35.90
EH C3=359.06 EH C4=3.74

Other information: * Indicates text in the SDS which has changed since the last revision.

Legal disclaimer: This information is provided for documentation purposes only.

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Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.