

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

- 1.1 Product Identifier:** Marks and Spencer Lemon Verbena Diffuser
UPC: 996853
- 1.2 Uses:** Household fragrance
- 1.3 Supplier:** Marks and Spencer plc
PO Box 3339
Chester
CH99 9QS
United Kingdom
- Telephone: 01342 870900
- 1.4 Emergency telephone:** 01342 870900 (office hours only)

2. Hazards Identification


2.1 Classification of the mixture

GHS/CLP classification according to EC 1272/2008

- 2.1.1** Eye Irrit. 2: Causes serious eye irritation. H319
Aquatic Chronic 3: Harmful to aquatic life with long lasting effects. H412
Allergic Eff.: Contains 3,7-Dimethyloctanenitrile, 3,7-Dimethylocta-2,6-dienal, 4-Isopropenyl-1-methylcyclohexene, 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, 6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptanes, 1-Isopropyl-4-methylcyclohexa-1,4-diene, 2,6-Octadienal, 3,7-dimethyl-, acid isomerized, Hydrocarbons, terpene processing by products. May produce an allergic reaction. EUH208

2.2 Label Elements

Label elements according to EC 1272/2008

- 2.2.1** Hazard Pictograms: 
- 2.2.2** Signal Word: Warning
- 2.2.3** Hazard Statements: H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
- 2.2.4** Precautionary Statements: P102: Keep out of reach of children.
P273: Avoid release to the environment.
P280: Wear eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P373+P313: If eye irritation persists: Get medical advice/attention.
- 2.2.5** Supplemental Hazard Statements: EUH208: Contains 3,7-Dimethyloctanenitrile, 3,7-Dimethylocta-2,6-dienal, 4-Isopropenyl-1-methylcyclohexene, 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, 6,6-Dimethyl-2-methylenebicyclo[3.1.1] heptanes, 1-Isopropyl-4-methylcyclohexa-1,4-diene, 2,6-Octadienal, 3,7-dimethyl-, acid isomerized, Hydrocarbons, terpene processing by products. May produce an allergic reaction.

Label elements according to 67/584/EEC, 1999/45/EC and 2001/58/EC

- 2.2.6** Hazard Symbol: None required
- 2.2.7** Risk Phrases: R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 2.2.8** Safety Phrases: S2: Keep out of the reach of children.

3. Composition/Information on Ingredients

Component	CAS- No.	EC-No.	Conc. (%)	Classification (EC 1272/2008)	Classification (67/548/EEC)
1-(3-Methoxypropoxy)propan-1-ol	34590-94-8	252-104-2	50 – 75		
Hydrocarbons, C11-13, isoalkanes, <2% aromatics	64742-48-9	920-901-0	2.5 – 10	Asp. Tox. 1: H304	Xn: R65, R66
1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate	115-95-7	204-116-4	2.5 – 10	Skin Irrit. 2: H315 Eye Irrit. 2: H319	Xi: R38
3-Methoxy-3-methylbutan-1-ol	56539-66-3	260-252-4	2.5 – 10	Eye Irrit. 2: H319	
3,7-Dimethylocta-1,6-dien-3-ol	78-70-6	201-134-4	1.0 – 2.5	Skin Irrit. 2: H315 Eye Irrit. 2: H319	Xi: R38
6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	127-91-3	204-872-5	<1.0	Flam. Liq. 3: H226 Asp. Tox. 1: H304 Skin Irrit. 2: H315 Skin Sens. 1B: H317	R10 Xn: R38, R43, R65
2-Methyl-3-phenylpropan-2-yl butyrate	10094-34-5	233-221-8	<1.0	Aquatic Chronic 2: H411	N: R51/53
Diethyl malonate	105-53-3	203-305-9	<1.0	Eye Irrit. 2: H319	Xi: R36
1,1-Dimethyl-2-phenylethyl acetate	151-05-3	205-781-3	<1.0	Aquatic Chronic 3: H412	R52/53
3,7-Dimethylocta-2,6-dienal	5392-40-5	226-394-6	<1.0	Skin Irrit. 2: H315 Skin Sens. 1B: H317 Eye Irrit. 2: H319	Xi: R38, R43
4-Isopropenyl-1-methylcyclohexene	5989-27-5	227-813-5	<1.0	Flam. Liq. 3: H226 Asp. Tox. 1: H304 Skin Irrit. 2: H315 Skin Sens. 1B: H317 Aquatic Acute 1: H400 Aquatic Chronic 1: H410	R10 Xi: R38, R43 N; R 50/53
Ethanol	64-17-5	200-578-6	<1.0	Fl. Liq. 2: H225 Eye Irrit. 2: H319	F: R11
2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	80-56-8	201-291-9	<1.0	Flam. Liq. 3: H226 Asp. Tox. 1: H304 Skin Irrit. 2: H315 Skin Sens. 1B: H317	R10 Xn: R38, R43, R65
1-Isopropenyl-4-methylcyclohexa-1,4-diene	99-85-4	202-794-6	<1.0	Flam Liq. 3: H226 Asp. Tox. 1: H304	R10 Xn: R65
Hydrocarbons, terpene processing by-products	68956-56-9	273-309-3	<1.0	Flam. Liq. 3: H226 Asp. Tox. 1: H304 Skin Sens. 1B: H317 Aquatic Chronic 2: H411	R10 Xi: R43 N: R51/53
3,7-Dimethyloctanenitrile	40188-41-8	403-620-3	<1.0	Skin Irrit. 2: H315 Skin Sens. 1B: H317 Aquatic Chronic 2: H411	Xi: R38, R43 N: R51/53
2,6-Octadienal, 3,7-dimethyl-, acid-isomerized	90480-35-6	291-768-8	<1.0	Flam. Liq. 1: H224 Skin Irrit. 2: H315 Skin Sens. 1B: H317 Eye Irrit. 2: H319 Aquatic Chronic 2: H412	R10 Xi: R43 N: R52/53
Formaldehyde	50-00-0	200-001-8	<0.0001	Acute Tox. 3: H301 Acute Tox. 3: H311 Skin Corr. 1B: H314 Skin Sens. 1: H317 Carc. 2: H351	R10 T: R23/24/25, R34, R40, R43

See section 16 for full text of classifications.

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: No Damage to health is expected.
 Eye Contact: Flush immediately with water. Remove contact lenses, if present and easy to do so. Continue rinsing. Consult a physician if symptoms persist.
 Skin contact: Remove all contaminated clothing. Wash with plenty of water and soap.
 Ingestion: In the unlikely event of ingestion, do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. In severe cases seek medical attention and show the safety data sheet.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No damage to health is expected.
 Eye Contact: Irritation. Transient effects only.
 Skin Contact: Irritation through repeated contact.
 Ingestion: Irritation of mucous membranes of the digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. See section 4.1 for more details.

5. Fire fighting measures

- 5.1** Extinguishing media Use carbon dioxide, foam or powder extinguishers.
- 5.2** Unsuitable media: Do not use water extinguishers.
- 5.3** Special hazards Avoid inhaling the fumes from combustion.
- 5.4** Advice for fire-fighters Use protection for the respiratory tract.

6. Accidental release measures

- 6.1** Personal precautions, protective equipment and emergency procedure:
Use appropriate PPE.
- 6.2** Environmental precautions:
Use appropriate containment to avoid environmental contamination.
- 6.3** Methods and material for containment and cleaning up:
Recover the product for re-use or disposal; wear appropriate PPE to do so. Do not allow to enter drainage systems.
- 6.4** Reference to other sections
See section 8.

7. Handling and storage

- 7.1** Precautions for safe handling
Apply good manufacturing and industrial hygiene practices and adequate ventilation.
- 7.2** Conditions for safe storage
Storage conditions: Store in cool dry area; protect from heat and light.
Storage premises: Store in a cool, dry and ventilated area. Keep away from sources of ignition and naked flames.
Incompatible materials: None known that present a hazard.
- 7.3** Specific end use
Fragranced product for household use.

8. Exposure controls/personal protection

- 8.1** Control parameters
Materials with occupational exposure standards:

Substance	WEL-STEL mg/m ³	WEL-STEL ppm	WEL_TWA mg/m ³	WEL-TWA ppm
Ethanol			1920	1000
1-(3-Methoxypropoxy)propan-1-ol			308	50
Formaldehyde	2	2	2	2
2,6-Octadienal, 3,7-diemthyl-, acid-isomerized			1	
Hydrocarbons, terpene processing by-products		25		25

- 8.2** Exposure controls
 Precautionary measures: Give adequate ventilation to the premises where the product is stored and/or handled.
 Protection for respiratory tract: Not required for normal use.

Protection for hands:	Not required for normal use. Use chemically resistant gloves for repeated contact (e.g. butyl rubber or nitrile rubber protective index 6).
Protection for eyes:	Avoid contact. Wear safety goggles.
Protection for skin:	Avoid repeated contact. Use suitable protective clothing as needed.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Clear almost colourless liquid
Odour:	Characteristic
pH:	Not applicable
Melting point:	Not applicable
Initial boiling point and boiling range:	Not determined
Flash point:	61°C
Evaporation rate:	Not determined
Vapour pressure:	Not applicable
Density:	0.92 g.cm ⁻³
Solubility in water:	Not soluble
Partition co-efficient: n-octanol/water:	Not determined
Auto ignition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

9.2 Other information

None

10. Stability and reactivity

10.1	Reactivity:	Substances to avoid: None in particular.
10.2	Chemical stability:	Stable under normal conditions.
10.3	Possibility of hazardous reactions:	None known.
10.4	Conditions to avoid:	Stable under normal conditions.
10.5	Incompatible materials:	None expected.
10.6	Hazardous decomposition products:	Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. Toxicological information

This preparation has not been subject to toxicological testing as an entity; therefore no specific LD50/LC50 values have been determined. The toxicological information available relating to the ingredients and their concentrations enables the evaluation of this preparation.

11.1 Information on toxicological effects

ATE Oral:	>5000
ATE Dermal:	>5000
ATE Inhalation (vapour):	>20

12. Ecological information

This product has not been subjected to ecological testing as an entity; therefore no specific values have been determined. The ecological information available relating to the ingredients and their concentrations enables the evaluation of this preparation.

12.1	Toxicity:	No appreciable risk to aquatic flora or fauna.
12.2	Persistence and degradability:	Not determined.
12.3	Bioaccumulative potential:	Not determined.
12.4	Mobility in soil:	Not determined.

- 12.5** Results of PBT and vPvB assessment: None present.
12.6 Other adverse effects: None known.

13. Disposal considerations

- 13.1** Waste treatment methods
This product should be disposed of in accordance with local regulations.
Avoid discharge into the environment.
The soiled packaging should be disposed of in the same way as the product.

14. Transport information

- | | | |
|-------------|-------------------------|------------------------------|
| 14.1 | UN number | Not classified for transport |
| 14.2 | UN proper shipping name | Not classified for transport |
| 14.3 | Transport hazard class | Not classified for transport |
| 14.4 | Packing group | Not classified for transport |
| 14.5 | IMDG – Marine pollutant | Not classified for transport |
| 14.6 | Packaging labelling | Not classified for transport |

15. Regulatory information

- 15.1** Safety, health and environmental regulations/legislation
For classification and labelling information see section 2.
The classification of this mixture is in accordance with EC 1272/2008 as amended.
- 15.2** Chemical safety assessment
No chemical safety assessment has been carried out for this mixture.

16. Other information

The information given in this safety data sheet is based on the present state of knowledge and experiences but no guarantee can be given that the information is complete. It is in the customer's own interest to make sure that the information is sufficient for the purpose which the product shall be used. It is the responsibility of the user to fulfil any requirements according to current legislation.

Full text of risk phrases (67/548/EEC) referred to in section 3:

R10: Flammable.
R11: Highly flammable.
R34: Causes burns.
R36: Irritating to eyes.
R38: Irritating to skin.
R40: Limited evidence of a carcinogenic effect.
R43: May cause sensitisation by skin contact.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of hazard statements (EC 1272/2008) referred to in section 3:

H224: Extremely flammable liquid and vapour.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H301: Toxic if swallowed.

H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Issue number: 1

Changes from previous issue: New

Issued by: Andrew Jenkinson

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet