

SAFETY DATA SHEET

Version number: 1.

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

1.1 Product identifier	Laundry Sheet Fragrance variations: Cotton Fresh.
1.2 Relevant identified uses of the substance or mixture and uses advised against	Soluble sheet for laundry. Uses advised against: not available.
1.3 Details of the supplier of the safety data sheet	ecoLiving Trading Ltd Unit 12, The Vinery, BN18 9PY, UK Tel: +44 (0) 1903 536891 Email: jo@ecoliving.co.uk
1.4 Emergency telephone number	Tel: +44 (0) 7741207450

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 Skin Irrit 2, H315; Eye Dam 1, H318; Aquatic Chronic 3, H412; EUH208.

See Section 16 'Other information' for full text of the H-statements.

2.2 Label elements



Signal word	Danger
Hazard statements	H315: Causes skin irritation. H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects.
Precautionary statements	
general	P102: Keep out of reach of children.
prevention	P280: Wear protective gloves and eye/face protection.
response	P305 + P351 + P338 + P337 + P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. P332 + P313: If skin irritation occurs: Get medical attention.
storage	None.
disposal	P501: Dispose of contents/container in accordance with local/national regulation.
Supplemental information	EUH208: Contains subtilisin, hexyl salicylate, and ethyl 2,3-epoxy-3-phenylbutyrate. May produce an allergic reaction.

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2.3 Other hazards

Not available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures ^{a,b}

<i>Declarable components</i>	<i>Conc. (wt%)</i>	<i>EC No.</i>	<i>CAS No.</i>	<i>REACH Reg. No.</i>	<i>Classification, hazards, ATE, M-factor, and SCL</i>
Sodium dodecyl sulphate	25–45	205-788-1	151-21-3	NA	Acute Tox 4, H302; Skin Irrit 2, H315; Eye Dam 1, H318; Aquatic Chronic 3, H412; ATE 1200 mg/kg
Alcohols, C12-18, ethoxylated	0.5–3	500-201-8	68213-23-0	NA	Aquatic Acute 1, H400 (M = 1), Aquatic Chronic 3, H412
Subtilisin	0.05–0.5	232-752-2	9014-01-1	NA	Acute Tox 4, H302; Skin Irrit 2, H315; Eye Dam 1, H318; Resp Sens 1, H334; STOT SE 3, H335; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 2, H411
Hexyl salicylate	0.05–0.5	228-408-6	6259-76-3	NA	Skin Sens 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 (M = 1)
Ethyl 2,3-epoxy-3-phenylbutyrate	0.05–0.5	201-061-8	77-83-8	NA	Skin Sens 1B, H317; Aquatic Chronic 2, H411
<i>Other components</i>					
Not available					

^a NA: not available.^b See Section 16 'Other information' for full text of the H-statements.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Remove exposed person to fresh air and keep warm and at rest in a position comfortable for breathing. For difficulties in breathing, respiratory irritation, or other symptoms, call a poison centre or doctor.
Skin	Remove contaminated clothing and flush affected area with water. Call a poison centre or doctor if irritation occurs. Wash contaminated clothing before re-use.
Eye	If in eyes, immediately rinse with room-temperature water or eyewash for several minutes. Speed is essential. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if irritation persists.
Ingestion	If swallowed, rinse mouth thoroughly and give water to drink. Get prompt medical attention if exposed person feels unwell. Do not induce vomiting, unless instructed by medical personnel.

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4.2 Most important symptoms and effects, both acute and delayed	Causes skin irritation and serious eye damage. Contains subtilisin in small amounts that may cause allergy or asthma symptoms or breathing difficulties if inhaled.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptoms as they occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable	Water spray, foam. The product is not classified as flammable. Use extinguishing media appropriate to cause of the fire, and the surroundings.
Unsuitable	Not available.

5.2 Special hazards arising from the substance or mixture	The product is not classified as flammable. If involved in a fire, product will decompose producing hazardous smoke, vapours and gases.
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5.3 Advice for firefighters	Remove product from fire or cool containers with water spray. Firefighters should wear self-contained breathing apparatus and full protective clothing. Prevent water from firefighting from entering water-courses or drainage system.
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Product is supplied in small packages for consumers, containing product sheets, which can be collected. For large spills, wear personal protection. Ventilate area. Follow prescribed procedures for responding to workplace spills and reporting to appropriate authorities.
6.2 Environmental precautions	Prevent product from entering water courses or drainage system.
6.3 Methods and material for containment and cleaning up	Clean up spill as soon as possible. Do not flush to sewer. For small quantities, collect product or wipe off residue with cloth or paper. For large quantities carefully sweep up or collect particles using vacuum cleaner. Rinse contaminated surfaces with water. Collect waste, washings, and contaminated materials for safe disposal.
6.4 Reference to other sections	For recommended personal protective equipment, see Section 8. For disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	See Section 8 for engineering controls and personal protection. Keep out of reach of children.
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	For bulk handling, avoid skin and eye contact with the product, using measures described in Section 8. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
7.2 Conditions for safe storage, including any incompatibilities	For bulk storage, keep container closed. Store containers in a cool, dry, well-ventilated place away from direct sunlight.
7.3 Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EU limit values	None.
National limit values (UK)	None.
Monitoring procedure	Not available.
Other: human health (DNELs, DMELs)	Sodium dodecyl sulphate: DNELs: workers, long-term exposure, systemic effects, dermal, 4060 mg/kg/day; workers, long-term exposure, systemic effects, inhalation, 285 mg/m ³ ; general population, long-term exposure, systemic effects, dermal, 2440 mg/kg/day; general population, long-term exposure, systemic effects, inhalation, 85 mg/m ³ ; general population, long-term exposure, systemic effects, oral, 24 mg/kg/day. Subtilisin: DNELs: workers, long-term exposure, local effects, inhalation, 0.00006 mg/m ³ ; general population, long-term exposure, local effects, inhalation, 0.000015 mg/m ³ .
Other: environmental (PNEC)	Sodium dodecyl sulphate: PNECs: freshwater, 0.176 mg/L; sewage treatment plant, 1.35 mg/L; freshwater sediment, 6.97 mg/kg dry sediment; soil, 1.29 mg/kg dry soil.

8.2 Exposure controls

Engineering controls	For commercial use, good general ventilation (eg 5 air exchanges per hour) is recommended.
Personal protective equipment	For bulk handling in the workplace, the need for personal protective equipment should be based on a risk assessment for the particular use. Avoid skin contact by wearing chemical resistant gloves (eg nitrile) and safety goggles. If extensive contact may occur, wear protective clothing (eg apron, lab coat). Respiratory protective equipment not required for foreseen use. PPE should conform to European (EN) standards. Consult manufacturer concerning breakthrough times.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Physical state	Solid sheet
(b) Colour	Various

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(c) Odour	Perfumed
(d) Melting/freezing point	Not available
(e) Boiling point or initial boiling point and boiling range	Not available
(f) Flammability	Not available
(g) Lower and upper explosion limit	Not available
(h) Flash point	Not applicable to solid
(i) Auto-ignition temp.	Not available
(j) Decomposition temp.	Not available
(k) pH	6.5 to 8.5 (10% solution)
(l) Kinematic viscosity	Not applicable to solid
(m) Solubility	Soluble in water; sodium dodecyl sulphate 130 g/L at 20 °C
(n) Partition coeff. n-octanol/water (log value)	Sodium dodecyl sulphate: < - 2 at 20 °C (calculated)
(o) Vapour pressure	Not available
(p) Density or rel. density	Not available
(q) Relative vapour density	Not available
(r) Particle characteristics	Not available
9.2 Other information	Not available

SECTION 10: Stability and reactivity

10.1 Reactivity	Not available.
10.2 Chemical stability	Stable under recommended storage and handling conditions. No hazardous polymerization.
10.3 Possibility of hazardous reactions	Not available.
10.4 Conditions to avoid	High temperatures, or direct sunlight.
10.5 Incompatible materials	Strong acids, alkalis, and oxidising agents.
10.6 Hazardous decomposition products	Not available.

SECTION 11: Toxicological information

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

(a) Acute toxicity	Based on available data on the ingredients, the classification criteria are not met.
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	Sodium dodecyl sulphate: LD ₅₀ (oral, rat, method OECD 401) 1200 mg/kg; LD ₅₀ (dermal, rat, method OECD 402) > 2000 mg/kg.
(b) Skin corrosion/irritation	Based on available data on the ingredients, the classification criteria are met for Category 2 (causes skin irritation). Sodium dodecyl sulphate: irritating (method OECD 404).
(c) Serious eye damage/irritation	Based on available data, the classification criteria are met for Category 1 (causes eye damage). Sodium dodecyl sulphate: highly irritating/corrosive (method OECD 405).
(d) Respiratory or skin sensitisation	Respiratory sensitisation: subtilisin: may cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin sensitisation: based on available data, the classification criteria are not met.
(e) Germ cell mutagenicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(f) Carcinogenicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(g) Reproductive toxicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(h) STOT-single exposure	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(i) STOT-repeated exposure	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(j) Aspiration hazard	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
11.2 Information on other hazards	Not available.

SECTION 12: Ecological information

12.1 Toxicity	Based on available data, the classification criteria are met for Aquatic Chronic Category 3 (harmful to aquatic life with long lasting effects). Sodium dodecyl sulphate: harmful to aquatic organisms with long lasting effects: LC ₅₀ (fish, 96 h) 4 to 29 mg/L; EC ₅₀ (Daphnia, 48 h) 5.5 mg/L; EC ₅₀ (algae, 72 h) 120 mg/L, NOEC 30 mg/L.
12.2 Persistence and degradability	Sodium dodecyl sulphate: readily biodegradable (method OECD 301 B) (95% after 28 d).
12.3 Bioaccumulative potential	Sodium dodecyl sulphate: low potential to bioaccumulate (based on log K _{ow}).
12.4 Mobility in soil	Sodium dodecyl sulphate: low sorption potential: log K _{oc} 2.5 to 2.65.
12.5 Results of PBT and vPvB assessment	No ingredients have been identified as PBT or vPvB.

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12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Small consumer items may be disposed of in landfill.
For bulk disposal, incineration or landfill is recommended for this product. Disposal of small quantities of diluted product via the drains may be allowed.
Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC.

SECTION 14: Transport information**14.1 UN Number**

Not classified as dangerous goods for transport.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not classified as marine pollutant/environmentally hazardous.

14.6 Special precautions for user

Not available.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU: Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).
Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on Personal Protective Equipment.
EU Indicative Occupational Exposure Limit Values (IOELVs): Commission Directive 2000/39/EC (as amended).
Detergents Regulation (648/2004EC): The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria.
Product contents (*Detergents Regulation Annex VIIA*): anionic surfactant (>30%), enzyme (subtilisin), parfum [contains hexyl cinnamaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, d-limonene, coumarin].

15.2 Chemical safety assessment

Not available.

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SECTION 16: Other information

Revisions	This SDS is the second version in EU format. Contains minor changes to the formulation, particularly the fragrances, compared to Version 1.0 of 15 March 2021.
Abbreviations	DMEL, derived minimum effect level; DNEL, derived no-effect level; EC, effect concentration; LC, lethal concentration; LD, lethal dose; NOEC, no-observed-effect-concentration; PNEC, predicted no-effect concentration; STOT RE, specific target organ toxicity, repeated exposure; STOT SE, specific target organ toxicity, single exposure.
References	Search for chemicals; available at the European Chemicals Agency (ECHA) website: http://echa.europa.eu/ . GESTIS International Limit Values; Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA); http://www.dguv.de .
Basis of classification	The classification of the mixture has been assessed according to the criteria given in Regulation 1272/2008 on the basis of available information on the ingredients.
List of hazard statements	H302: Harmful if swallowed; H315: Causes skin irritation; H318: Causes serious eye damage; H319: Causes serious eye irritation; H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled; H335: May cause respiratory irritation; H400: Very toxic to aquatic life; H411: Toxic to aquatic life with long lasting effects; H412: Harmful to aquatic life with long lasting effects.