



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/8

LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

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

1.1. Product identifier

Product name	LIQUID DETERGENT EXTRA STRENGTH LEMON
Product code	QAFS294

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
Description	Neutral liquid detergent specially formulated for all regular light duty cleaning and washing up.

1.3. Details of the supplier of the safety data sheet

Company	Superfine Manufacturing Ltd
Address	Orchardbank Industrial Estate Forfar Angus Scotland DD8 1TD
Web	www.superfine.co.uk
Telephone	Tel: 01307 463538
Fax	Fax: 01307 468505
Email	nigel@superfine.co.uk
Email address of the competent person	nigel@superfine.co.uk

1.4. Emergency telephone number

Emergency telephone number	01307 463538 8.30am to 17.00pm National Poisons Information Service: For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice) If you are a healthcare professional with an enquiry please visit www.TOXBASE.org
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	EUH208; Eye Irrit. 2: H319;
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2.2. Label elements

Hazard pictograms



LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

2.2. Label elements

Signal Word	Warning
Hazard Statement	EUH208 - Contains d-limonene. May produce an allergic reaction. Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P102 - Keep out of reach of children.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
SUPPLEMENTAL HAZARD INFORMATION	Ingredients as required by Regulation (EC) No 648/2004: Greater than 30% Anionic Surfactants, Less than 5% Non-ionic surfactants, Parfum, Limonene, Citral (Neral + Geranial).

2.3. Other hazards

Other hazards	This mixture is not classified as PBT or vPvB according to current EU criteria.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
D-Limonene	601-029-00-7	5989-27-5	227-813-5		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
sodium (xylenes and 4-ethylbenzene) sulfonate			701-037-1	01-2119513350-56	1 - 10%	Eye Irrit. 2: H319;
Alcohols, C12-14, ethoxylated, sulfates, sodium salts		68891-38-3	500-234-8	01-2119488639-16	1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
Benzenesulphonic Acid Mono C10-C13 Alkyl Dervis Sodium Salts		68411-30-3	270-115-0	01-2119489428-22	1 - 10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
7-methyl-3-methyleneocta-1,6-diene		123-35-3	204-622-5		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Eye Irrit. 2: H319;
Octanal		124-13-0	204-683-8	01-2119638274-38	0 - 0.5%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene (Alpha-Pinene)		80-56-8	201-291-9		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
6,6-Dimethyl-2-methylenbicyclo[3.1.1]heptane		127-91-3	204-872-5		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410;

Further information

Product Shelf Life	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

	This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

	None known.
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5.3. Advice for firefighters

	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.
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Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Wear suitable protective equipment.
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6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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6.3. Methods and material for containment and cleaning up

	For large spills:. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills:. Flush down the drain with plenty of water.
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6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container.
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7.3. Specific end use(s)

	Neutral liquid detergent specially formulated for all regular light duty cleaning and washing up.
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LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Long-term - inhalation - Systemic effects	175 mg/m ³
	Long-term - dermal - Systemic effects	2750 mg/kg
sodium (xylenes and 4-ethylbenzene) sulfonate	Long-term - inhalation - Systemic effects	53.6 mg/m ³
	Long-term - dermal - Systemic effects	7.6 mg/kg

Exposure Pattern - General population

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Long-term - inhalation - Systemic effects	52 mg/m ³	Long-term - oral - Systemic effects	15 mg/kg
	Long-term - dermal - Systemic effects	1650 mg/kg		
sodium (xylenes and 4-ethylbenzene) sulfonate	Long-term - inhalation - Systemic effects	13.2 mg/m ³	Long-term - oral - Systemic effects	3.8 mg/kg
	Long-term - dermal - Systemic effects	3.8 mg/kg		

8.2. Exposure controls



Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.

8.2.1. Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.

Eye / face protection

Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Skin protection - Handprotection

Rubber gloves. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Respiratory protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

8.2.3. Environmental exposure controls

Prevent further leakage or spillage if safe to do so.

LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

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

Appearance	Liquid
Colour	Yellow
Odour	Slight
Odour threshold	No data available
pH	6 - 8
Melting point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.041 - 1.047 g/cm ³
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 1000 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

Water solubility

Soluble.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions. No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal conditions. No particular stability concerns.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Protect from frost. Avoid storing in direct Sun Light.

10.5. Incompatible materials

Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly.

SECTION 11: Toxicological information

LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14
Revision date 2020-09-15

11.1. Information on toxicological effects

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	Eye Irrit. 2: H319 - Causes serious eye irritation.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
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	based on available data the classification criteria are not met.
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	based on available data the classification criteria are not met.

11.1.2. Mixtures

	No data available.
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11.1.3. Hazard Information

	No data available.
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11.1.4. Toxicological Information

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Dermal Rat LD50: > 2000 mg/kg	Oral Rat LD50: 4100 mg/kg
sodium (xylenes and 4-ethylbenzene) sulfonate	Oral Rat LD50: > 7200 mg/kg	Dermal Rabbit LD50: > 2000 mg/kg
	Inhalation Rat LC50/4 h: >6.41 mg/l	

SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.
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12.3. Bioaccumulative potential

	The product is not bioaccumulating.
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Partition coefficient

	LIQUID DETERGENT EXTRA STRENGTH LEMON No data available	Alcohols, C12-14, ethoxylated, sulfates, sodium salts 0.3 Log Pow
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12.4. Mobility in soil

	This product is soluble in water.
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12.5. Results of PBT and vPvB assessment

	This mixture is not classified as PBT or vPvB according to current EU criteria.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
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LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

General information	
	Dispose of in compliance with all local and national requirements.

Disposal of packaging	
	Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

14.1. UN number	
	The product is not classified as dangerous for carriage.

14.2. UN proper shipping name	
	The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)	
	The product is not classified as dangerous for carriage.

14.4. Packing group	
	The product is not classified as dangerous for carriage.

14.5. Environmental hazards	
	The product is not classified as dangerous for carriage.

14.6. Special precautions for user	
	The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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15.2. Chemical safety assessment	
	No information available.

SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - Description. 1 - Product Use. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - SUPPLEMENTAL HAZARD INFORMATION. 3 - Active Ingredients.
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LIQUID DETERGENT EXTRA STRENGTH LEMON

Revision 14

Revision date 2020-09-15

Other information

	<p>5 - 5.2. Special hazards arising from the substance or mixture. 5 - 5.3. Advice for firefighters. 7 - 7.3. Specific end use(s). 8 - Skin protection - Handprotection. 8 - Eye / face protection. 10 - 10.4. Conditions to avoid. 10 - 10.3. Possibility of hazardous reactions. 10 - 10.6. Hazardous decomposition products. 10 - 10.5. Incompatible materials. 12 - 12.4. Mobility in soil. 12 - 12.3. Bioaccumulative potential. 12 - 12.5. Results of PBT and vPvB assessment.</p>
Data sources	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008: Eye Irrit. 2: H319 - Causes serious eye irritation. - Calculation Method.</p>
Text of Hazard Statements in Section 3	<p>Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Acute Tox. 4: H302 - Harmful if swallowed. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p>
Further information	
	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>