

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier**Product name** LEM-FRESH**Product type** Liquid1.2 Relevant identified uses of the substance or mixture**PRODUCT USE** Industrial uses: Uses of substances as such or in preparations at Industrial sites;(PC35) Washing and cleaning products**Description** Lemon cleaner and deodoriser1.3 Details of the supplier of the safety data sheet

Supplier Spectrum industrial limited
 Bedesway
 Bede industrial estate
 Jarrow
 Tyne & Wear
 NE32 3EG
 Tel 0191 4301111

Email address sales@spectrum-ind.co.uk

1.4 Emergency telephone number 0191 4301111 (9.00am – 5pm Mon-Fri)

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification (67/548/EEC) Not Classified

2.1.2 Classification –EC 1272/2008 Eye Irrit 2: H319; Aquatic chronic 3:H412

2.2 Label elements

Hazard pictograms



Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 – Causes serious eye irritation Aquatic chronic 3:H412 – Harmful to aquatic life with long lasting effects
Precautionary Statement: Prevention	P102 – Keep out of reach of children P273 – Avoid release to the environment. P280 – Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 – IF ON SKIN: Wash with plenty soap and water 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

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2.3 Other hazards

This product does not contain any PBT or vPvB substances

Supplemental label

Information

EUH208, Contains Alpha pinene, Citral, CITRONELLAL, Geraniol, Limonene.

May cause an allergic reaction.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.1 Substances

67/548/EEC / 1999/45/EC

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
C13-15 Alcohol Ethoxylate		68131-39-5			1 - 5%	Xn; R22 Xi; R41;R50
Benzyl – C8-C18-Alkyldimethyl Chlorides		68424-85-1	270-325-2		1 - 5%	Xn; R21/22:C;R34.N;R50
Alpha Pinene		80-56-8	201-291-9		0-1%	Xn; R10;R38;R43;R65
Citral		5392-40-5	226-394-6		0-1%	Xi; R38;R43
Citronellal		106-23-0	203-376-6		0-1%	Xi;R38;R43.N;R51/53
Geraniol		106-24-1	203-377-1		0-1%	Xi;R38;R41;R43
Limonene		5989-27-5	227-813-5		0-1%	Xi;R38;R43.N;R50/53

EC 1272/2008

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
C13-15 Alcohol Ethoxylate		68131-39-5			1 - 5%	Acute Tox.4:H302; Eye Dam.1:H318; Aquatic acute 1: H400
Benzyl – C8-C18 Alkyldimethyl Chlorides		68424-85-1	270-325-2		1-5%	Acute Tox.4: H302 Acute Tox.4: H312 Skin Corr. 1B:H314 Aquatic acute 1:H400
Alpha Pinene		80-56-8	201-291-9		0-1%	Flam Liq.3-H226 Skin corr.2-H315 Sens. 1B-H317 Asp. Hazard 1-H304
Citral		5392-40-5	226-394-6		0-1%	Skin Corr.2-H315 Eye Dam.2-H319 Sens.1B- H317
Citronellal		106-23-0	203-376-6		0-1%	Skin Corr.2-H315 Eye Dam.2-H319 Sens.1- H317
Geraniol		106-24-1	203-377-1		0-1%	Skin Corr.2-H315 Eye Dam.1-H318 Sens.1- H317
Limonene		5989-27-5	227-813-5		0-1%	Flam Liq.3-H226 Skin corr.2-H315 Sens. 1B-H317 Asp. Hazard 1-H304 Aquatic Acute1-H410

SECTION 4 : FIRST AID MEASURES4.1 Description Of first aid measures

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Inhalation

Not relevant. Inhalation unlikely. In case of inhalation of spray mist. Move the exposed person to fresh air and keep at rest. Seek medical advice if symptoms persist

Ingestion

DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

Skin contact

Wash with soap and water

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Get medical attention if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

No specific symptoms noted

Ingestion

May cause discomfort if swallowed

Skin contact

Prolonged or repeated contact can cause irritation

Eye contact

Contact with liquid can cause serious eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

Treat Symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate to surrounding materials

5.2 Special hazards arising from the substance or mixture

When heated and in case of fire, harmful vapours/gases may be formed

5.3 Advice for fire-fighters

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate body.

6.3 Methods and material for containment and cleaning up

Small quantities may be flushed to drains with plenty of water. Large spillages absorb in vermiculite, dry sand or earth and place into containers for disposal. Flush with plenty of water to clean spillage area.

6.4 Reference to other sections

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear suitable protective clothing, gloves and eye/face protection

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated area. Keep away from Oxidising agents

7.3 Specific end use(s)

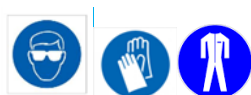
The identified uses for this product are detailed in section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No exposure limits noted for ingredients

8.2 Exposure controls



8.2.1 Appropriate engineering Controls

Ensure adequate ventilation of the working area.

8.2.2 Individual Protection Measures

Eye / face protection

Wear protective clothing in case of splashing

Hand protection

In case of splashing wear approved safety goggles

No specific hand protection noted but the use of rubber gloves is recommended to prevent removal of natural oils from the skin.

Respiratory protection

None required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State	Liquid
Colour	Red
Odour	Pleasant
Solubility	Soluble in water
pH-value	6 - 8
Flash point	Boils without flashing
Relative density	0.98 – 1.01 (water = 1 @ 20 C)

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards associated with this product

10.2 Chemical stability

Stable under normal temperature conditions

10.3 Possibility of hazardous reactions

Not determined

10.4 conditions to avoid

There are no known conditions that are likely to result in a hazardous situation

10.5 Incompatible materials

Materials to avoid

No incompatible groups noted

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10.6 Hazardous decomposition products

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.4 Toxicological information

C13-C15 Alcohol Ethoxylate

Oral rat LD50 2000mg/kg

Benzyl c8-18 Alkyl dimethyl chloride

Oral rat LD50 200-2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

C13-C15 Alcohol Ethoxylate

Daphnia EC50/48h: 1 mg/l

Fish LC50/ 96h 10mg/l

Benzyl c8-18 Alkyldimethyl chloride

Fish LC50/96 h 0.01-0.1 mg/l

12.2 Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) no 684/2004 on detergents.

12.3 Bioaccumulative potential

Not expected to be bioaccumulating

12.4 Mobility in soil

Not Determined

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

12.6 Other adverse effects

Not known

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Dispose of in compliance with all local and national regulations.

13.1 Waste treatment methods

Discharge used solutions to drain. Less than 5 litres of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Consign empty container to normal waste

SECTION 14: TRANSPORT INFORMATION

General

Not classified for Transport

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

SECTION 15: REGULATORY INFORMATION

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

Safety data sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures. Ingredients are listed with classification under both CHIP-Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP – Regulations (EC) no 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

SECTION 16: OTHER INFORMATION

Other information

The Risk phrases / Hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the product (as listed in section 3) and Not the product itself. For the risk phrases/hazard statements relating to this product see section 2.

Text of risk phrases in section 3

R10	Flammable
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R34	Causes Burns
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
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

Text of hazard statements in section 3

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation

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H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Further information

The information supplied in this 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.