

## LEMON FLOOR GEL

### FEATURES & APPLICATIONS

**Lemon Floor Gel** is a buffable floor maintainer with a wide range of applications in institutional and commercial premises. Lemon Floor Gel is an excellent floor cleaner which after buffing, leaves a high shine on the floor. It is compatible with most floors and leaves a fresh lemon fragrance in treated areas.

Lemon Floor Gel will maintain thermoplastic, linoleum, tiles, rubber, sealed wood, terrazzo and similar floors.

**Caution: Avoid wetting floors after treatment. Do not use on unsealed wood.**

### APPLICATION DETAILS

Task	Maximum Dilution	How To Use
Maintaining thermoplastic, linoleum, tiles, sealed wood, terrazzo etc.	1 in 160 with water (30 ml per 5 litres)	Damp- mop or spray- clean floor. Buff to a shine with a polishing machine.

**Note: If using an Ounce-a-matic dispenser, one measure = 30ml.**

### PRODUCT AND PACKAGING INFORMATION

**Appearance & Odour:** Clear yellow liquid with lemon fragrance.

**Chemical Description:** An aqueous solution of surfactants, perfume, preservative and dye.

**Packaging:** 2 X 5 litres

**Shelf Life:** 2 years.

### ENVIRONMENTAL INFORMATION

**General Information:** This product is expected to have very little ecological impact.

#### Environmental Checklist:

Biodegradable detergents	Yes	CFC free	Yes	Solvent free	Yes
Phosphate free	Yes	Acid/alkali free	Yes	Free of dyes/perfumes	No
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

FURTHER INFORMATION AVAILABLE ON REQUEST

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

<b>Commercial Name</b> Intended/Recommended use	<b>Lemon Floor Gel</b> Buffable Floor Maintainer	<b>Supplier</b> Address	<b>Unico Ltd</b> North Main Street, Carronshore, Falkirk FK2 8HT 01324 573400 01324 573401
<b>Issue Date</b> Issue Number	<b>Nov'12</b> 9	<b>Telephone</b> Fax	

## 2. HAZARDS IDENTIFICATION

**2.1 Classification** Product was classified as Irritant (Xi) according to Chemicals (Hazard Information Packaging & Supply) Regulations.

This product is classified under EC 1272/2008

Physical and Chemical Hazards	Not Classified
Human Health	May be harmful by inhalation
Environment	Not Classified

**2.1 Label Elements** Label in Accordance with (EC) No. 1272/2008



Signal Word  
Hazard Statements

**Warning**  
**H302** Harmful if swallowed  
**H315** Causes skin irritation  
**H318** Causes serious eye damage

Precautionary Statements

**P102** - Keep out of the Reach of Children  
**P103** - Please read the label information before use.  
**EUH 210** - Safety data sheet available on request.  
**P302 + P352** IF ON SKIN: Wash with plenty of soap and water.  
**P332 + P313** If skin irritation occurs: Get medical advice/attention.  
**P305 + P351 + P338 IF IN EYES:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
**P281** Use personal protective equipment as required.  
**Wear eye piece protection**  
**Rubber /impervious Gloves for skin protection** if skin is sensitive

## 3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

### 2.1 Mixtures

Concentrations below the concentration limit for classification in mixtures means that substance not reaching this does not need to be classified. Those that do not reach this concentration will still be included as indicative advice only.

Fatty alcohol ethoxylate	1 – 5%
CAS-No.: 68439-46-3	EC No.: --
Classification (EC 1272/2008) Eye Damage 1 – H318	Acute 4 – H302

Alkyl Aryl Sulphonate	1 – 5%
CAS-No.: 25155-30-0	EC No.: --
Classification (EC 1272/2008) STOT 2 – H303	Acute 4 – H335 Skin / Eye Corr. 1A – H314

Alkyl Ether Sulphate		1 – 5%
CAS-No.: 68585-34-2	EC No.: --	
Classification (EC 1272/2008) Skin Irritant. 2, H315;		Eye Irritant. 2, H319

<u>NAME</u>	<u>RANGE</u>	<u>EINECS</u>	<u>CAS No</u>	<u>Conc. Limit for Classification</u>
Perfume (Parfum)	0.1-1%	Mixed	Mixed	1%
Methylchloroisothiazolinone	0.1-1%	-	26172-55-4	1%
Methylisothiazolinone	0.1-1%	-	2682-20-4	1%
C.I.19140 Yellow 5	0.1-1%	217-699-5	1934-21-0	1%
Citral (Allergen)	<0.01%	226-394-6	5392-40-5	0.1%
Linalool (Allergen)	<0.01%	201-134-4	78-70-6	0.1%
Geraniol (Allergen)	<0.01%	203-377-1	106-24-1	0.1%

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Ingestion**                      Drink water to dilute product. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa.
- Inhalation**                      No ill effects expected at concentrations used. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed with water.
- Eye Contact**                      Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes.
- Skin Contact**                      Rinse affected area with water as instructed, if needed apply a cold compress to relieve irritation.

**4.2 Most Important symptoms and effects, both acute & chronic**

Where irritation of tissue occurs, stinging and redden accompanied by some discomfort for a short period after exposure no further exposure until condition improves. No Chronic effects known at the concentrations used in the mixture

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

If irritation to the mouth, throat, stomach, skin, eyes or respiratory system occurs and doesn't subside within a few minutes after the first aid measures have been carried out, seek immediate medical advice and have this SDS or the product label to hand.

A cold compress can be used to alleviate skin irritation.

**5. FIRE FIGHTING MEASURES**

- 5.1 Suitable extinguishing media**                      This product is not flammable. Use fire extinguishing media appropriate for surrounding area.
- Unsuitable extinguishing media**                      Not applicable.
- 5.2 Special hazards arising from the substance or mixture**                      Fumes may contain poisonous oxides of carbon and nitrogen (CO<sub>x</sub> & NO<sub>x</sub>) if affected by fire.
- 5.3 Advice for firefighters**                      Use appropriate extinguishing media for fires in the area. Firefighters should wear self-contained breathing apparatus if heat generated breakdown products are likely to be present

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing and eyeshields. Ventilate the area.

**6.2 Environmental Precautions**

Avoid spillage into surface water drains, soil / subsoil or vegetation.

**6.3 Methods and material for containment and cleaning up**

Hose away with plenty of water, diluting well, unless this would contaminate a water source or vegetation. In which case either collect, dilute as earlier and pour down waste drain (foul sewer) or absorb onto dry sand or similar material and dispose of safely as commercial waste.

**7. HANDLING AND STORAGE**

- 7.1 Handling** Take care when dispensing product from container and assure adequate ventilation. Avoid contact with skin and eyes. Do not mix with any other chemicals.
- 7.2 Storage** Store upright in original containers in a cool dry area out of the reach of children.
- 7.3 Specific end use(s)** Use only as directed by the front page of this document and the product label

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

Note: No substances above 1% in the product with a listed exposure limit in EH40

**8.2 Exposure Control**

- Respiratory Protection** Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear a facemask with a suitable aerosol filter.
- Skin Protection** Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear protective overalls and safety shoes/boots.
- Eye Protection** Wear eyeshields.
- Hand Protection** For prolonged contact or sensitive skin the use of rubber or nitrile gloves is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	White Cream	<b>Flash Point (ACC)</b>	N/A
<b>Odour</b>	Lemon	<b>Viscosity (20C)</b>	3000 cp approx.
<b>pH</b>	11.3 typically	<b>Water Solubility</b>	Soluble
<b>Relative Density</b>	1.44	<b>Explosive Properties</b>	None
<b>Boiling Point</b>	Approx. 100 deg C	<b>Vapour Pressure</b>	N/A

**9.2 Other Information**

None

**10. STABILITY AND REACTIVITY**

- 10.1 Reactivity** Not known to react with other chemicals
- 10.2 Chemical Stability** No stability concerns
- 10.3 Hazardous Reactions** None known
- 10.4 Conditions to Avoid** Extreme heat or cold
- 10.5 Incompatible Materials** None known.
- 10.6 Hazardous decomposition products** None when handled and stored correctly.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8.

**Acute Toxicity – Irritant and damaging to tissue and eyes. May be harmful if swallowed**

Component	LD-50, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Fatty Alcohol Ethoxylate	1400 (rat)	>5000 (rat)	--	None known
Alkyl Aryl Sulphonate	300-2000 (rat)	>2000	--	None known
Alkyl Ether Sulphate	7400 (rat)	>2000 (rat)	--	None known

**Chronic Toxicity**

- Carcinogenicity** No information available
- Sensitization** No information available.
- Mutagenic Effects** No information available
- Reproductive Effects** No information available.
- Developmental Effects** No information available.
- Target Organs** No information available
- Endocrine Disruptor Info.** No information available.

**Other Adverse Effects** The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity Ecotoxicity effects

Component	Toxicity to Fish LC-50, mg/l	Exposure Time, Hrs	Comments
Fatty Alcohol Ethoxylate	8.5 (Pimephales promelas)	96	
Alkyl Aryl Sulphonate	10.8 (fish)	96	
Alkyl Ether Sulphate	15mg/l (Oncorhynchus mykiss)	96	

### 12.3 Bioaccumulation Potential

With the current information available, when used for its intended purpose this product will not cause adverse effects in the environment.

### 12.4 Mobility in soil

No information available

### 12.5 Aquatic Toxicity

With the current information available, this is judged to be low at the dilutions that exist.

### 12.6 Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Discharge used working solutions to drain is acceptable in small amounts due to the dilution of running water. Small amounts (less than 1 Litre) of unwanted concentrated product may be flushed with water to sewer with at least 15 minutes of running water.

Larger volumes of the concentrated product must be sent for disposal using a licensed waste disposal contractor.

Rinse out empty container with water and consign to normal waste.

## 14. TRANSPORT

Not regulated for Transport with current knowledge

## 15. REGULATORY INFORMATION

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

#### EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

#### Guidance

Workplace Exposure Limits EH40.

The National Institute for Occupational Safety and Health (NIOSH) register of Immediately Dangerous to Life or Health Concentrations (IDLH)

## 16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on the first page of this Safety Data Sheet. This health and safety information refers to the concentrated product and has been prepared assuming the intended described use is adhered to. Any unusual or novel use of this product is done without being assessed for the impact nor is it part of the considerations in this document.

Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

#### Key literature references and sources for data

Safety Data Sheet, Misc. manufacturers.

CLP Classification - Table 3.1 List of harmonised classification and labelling of hazardous substances.

CHIP Classification - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

ECHA - C&L Inventory database.

**Revision comments**

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**Revision date** 01/05/2017

The 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.

**Hazard statements in full**

H302 Harmful if swallowed

H303 May be harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation