Product Lemon Floor Gel (Non-Buffable)

**Revision date** 26 January 2021

Revision 3



# Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

## Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name Lemon Floor Gel (Non-Buffable)

Product no. 111NB

**Other means of identification** No information available.

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

**Identified uses** Cleaning agent.

**Uses advised against** No uses advised against are identified.

## 1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd

11 Comber Road

Belfast BT8 8AN United Kingdom Tel: 028 90814777

Contact person sales@kitchenmaster-ni.com

1.4 Emergency telephone number

**Emergency telephone** Emergency Telephone Number: 028 9081 4777 08:30 – 17:00 Monday to Thursday 08:30 –

16:30 Friday

# Section 2: Hazards identification

# 2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards Me. Corr 1 - H290 Human health Skin Corr. 1C - H314 Environment Aquatic Chronic 3 - H412

# 2.2 Label elements

**Contains** Sodium hydroxide

**Detergent labeling** ≥5% <15% anionic surfactants

Label in accordance with (EC) no. 1272/2008



Signal word Danger

**Hazard statements** H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention

P260 Do not breathe dust/fume/ gas/mist/vapours/spray.

P280 Wear protective gloves/ protective clothing/eye protection/face protection.

#### Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.

#### 2.3 Other hazards

None known.

### Section 3: Composition/identification of ingredients

#### 3.1 Substance

Not applicable.

#### 3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	CAS-No.: 68891-38-3 EC No.: 500-234-8 REACH Reg No.: 01-2119488639-16-XXXX	Skin Irrit.2 - H315, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	10-20%
Sodium hydroxide	CAS-No.: 1310-73-2 EC No.: 215-185-5 REACH Reg No.: 01-2119457892-27-XXXX	Skin Corr. 1A - H314, Me. Corr 1 - H290	0.1-0.9%
Diphenyl ether	CAS-No.: 101-84-8 EC No.: 202-981-2	Eye Irrit.2A - H319, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%
Citral	CAS-No.: 5392-40-5 EC No.: 226-394-6	Skin Irrit.2 - H315, Eye Irrit.2A - H319, Skin. Sens 1 - H317	<0.1%
diethyl phthalate	CAS-No.: 84-66-2 EC No.: 201-550-6		<0.1%
toluene	CAS-No.: 108-88-3 EC No.: 203-625-9	Flam. Liq 2- H225, Asp. Tox - H304, Skin Irrit.2 - H315, STOT SE 3 - H336, Repr. 2 - H361d, STOT RE 2 - H373	<0.1%

The full text for all hazard statements are displayed in section 16.

# **Composition comments**

The data shown are in accordance with the latest EC Directives.

Sodium Hydroxide : Specific Concentration Limits = Eye Irrit. 2; H319: 0.5% <= C < 2%, Skin Corr. 1A; H314: C >= 5%, Skin Corr. 1B; H314: 2% <= C < 5%, Skin Irrit. 2; H315: 0.5% <= C < 2%.

# Section 4: First aid measures

#### 4.1 Description of first aid measures

**General information** Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if

symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during

rescue.

**Inhalation** Remove person to fresh air and keep comfortable for breathing. If not breathing, give

artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Ingestion** If this product is ingested, remove victim immediately from source of exposure. Rinse mouth

thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest. Get medical

attention. Never give anything by mouth to an unconscious person.

Skin contact

Remove victim immediately from source of exposure. Remove conta

Remove victim immediately from source of exposure. Remove contaminated clothing, shoes

and jewelry and wash before reuse. Wash the skin immediately with water. Obtain medical

attention if irritation persists or if blistering occurs. \\

**Eye contact** Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least

fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

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

**General information** 

The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

**Inhalation** Inhalation of mist or vapor may cause respiratory tract irritation.

**Ingestion** May cause chemical burns in mouth and throat. May cause severe internal injury.

**Skin contact** Corrosive! Can cause redness, pain, and severe skin burns.

**Eye contact** Causes severe eye damage.

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

## **Section 5: Fire-fighting measures**

#### 5.1 Extinguishing media

**Extinguishing media** Use fire-extinguishing media appropriate for surrounding materials. This product is not

flammable.

Unsuitable extinguishing media High volume water jet.

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products When heated, toxic and corrosive vapours/gases may be formed. During fire, toxic gases (CO,

CO2) are formed.

Unusual fire & explosion hazards

No unusual fire or explosion hazards noted.

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

#### 5.3 Advice for firefighters

**Special fire fighting procedures** If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed

spaces before entering them. Containers close to fire should be removed immediately or

cooled with water if safe to do so.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard

EN 469 will provide a basic level of protection for chemical incidents.

# Section 6: Accidental release measures

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

**For non-emergency personnel** Wear protective clothing as described in Section 8 of this safety data sheet. Provide

adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do

not touch or walk through spilled material. If necessary evacuate surrounding areas.

For emergency responders

Follow safe handling advice and personal protective equipment recommendations for normal

use of product.

### **6.2 Environmental precautions**

**Environmental precautions** Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges

into watercourses must be  $\ensuremath{\mathsf{IMMEDIATELY}}$  alerted to the Environmental Agency or other

appropriate regulatory body.

## 6.3 Methods and material for containment and cleaning up

Spill clean up methods Stop leak if possible without risk DO NOT touch spilled material! When dealing with a

spillage, wear necessary protective equipment. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash

thoroughly after dealing with a spillage.

# **6.4** Reference to other sections

**Reference to other sections** See section 1 for emergency contact. For personal protection, see section 8. For waste

disposal, see section 13.

### Section 7: Handling and storage

## 7.1 Precautions for safe handling

**Handling** Read and follow manufacturer's recommendations. Use proper personal protection when

handling (refer to Section 8). Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not

eat, drink or smoke when using the product. Wash thoroughly after handling.

## 7.2 Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep upright, locked up and out of reach of children. Keep the product in its original

container. Store in cool dry areas away from direct sunlight or sources of ignition.

**Storage class** Corrosive storage.

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Use only according to directions. Replace and tighten cap after use.

# Section 8: Exposure controls/Personal protection

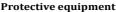
#### **8.1 Control parameters**

Component	STD	TWA	(8 Hrs)	STEL (1	l5mins)	Notes
Sodium hydroxide	OEL				2 mg/m <sup>3</sup>	
Sodium hydroxide	WEL				2 mg/m <sup>3</sup>	
Diphenyl ether	OEL	1 ppm	7 mg/m <sup>3</sup>	2 ppm	14 mg/m <sup>3</sup>	IOELV
Diphenyl ether	WEL	1 ppm	7 mg/m <sup>3</sup>	2 ppm	14 mg/m <sup>3</sup>	
Citral	OEL	5(IFV) ppm				
diethyl phthalate	WEL		5 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>	
toluene	OEL	50 ppm	192 mg/m <sup>3</sup>	100 ppm	384 mg/m <sup>3</sup>	Sk, IOELV
toluene	WEL	50 ppm	191 mg/m <sup>3</sup>	100 ppm	384 mg/m <sup>3</sup>	Sk

**Ingredient comments** Ireland, Occupational Exposure Limits 2020.

WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.

# **8.2 Exposure Controls**





**Engineering measures** Provide adequate ventilation, including appropriate local extraction, to ensure that the

defined occupational exposure limit is not exceeded.

**Respiratory equipment** If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149. The specific respirator selected must be based on contamination levels

found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Recommended: Respirator with a vapour filter (EN 141) - Recommended Filter type: P2. Consult manufacturer for specific

advice.

**Hand protection** Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Gloves must be

inspected prior to use. Suggested material: Butyl rubber - Layer thickness:  $0.11\ mm$ ,

Breakthrough time: >480 min. Consult manufacturer for advice.

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and

good laboratory practices.

**Eye protection** Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment

for eye protection tested and approved under appropriate government standards such as  $\ensuremath{\mathsf{EN}}$ 

166(EU).

**Other protection** Wear appropriate clothing to prevent skin contact. The selected clothing must satisfy the

European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handing this product. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed. Wear impervious protective clothing, including boots, gloves, lab

coat, apron or coveralls, as appropriate.

**Hygiene measures** Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When

using do not eat, drink or smoke. Wash hands after use.

**Process conditions** Ensure that eye flushing systems and safety showers are located close by in the work place.

# Section 9: Physical and chemical properties

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

AppearanceViscous liquid.ColourYellow.OdourCharacteristic.

Odour threshold - lower No information available as testing has not been completed.

**Odour threshold - upper** No information available as testing has not been completed.

pH-Value, Conc. Solution >13

**pH-Value, Diluted solution** Not applicable as the product is a concentrated solution.

**Melting point** No information available as testing has not been completed.

Initial boiling point and boiling

range

No information available as testing has not been completed.

Flash point Non-Flammable

**Evaporation rate** No information available as testing has not been completed.

**Flammability state** No information available as testing has not been completed.

**Flammability limit - lower(%)** Does not apply, product is not flammable.

**Flammability limit - upper(%)**Does not apply, product is not flammable.

**Vapour pressure**No information available as testing has not been completed.

Vapour density (air=1) No information available as testing has not been completed.

**Relative density**  $1.04 - 1.06 \text{ kg/l (at } 20^{\circ}\text{C)}$ 

**Bulk density** Not applicable as the product is a liquid.

**Soluble** in water.

**Decomposition temperature** No information available as testing has not been completed.

Partition coefficient; n-

Octanol/Water

Does not apply, the product is a mixture.

 $\textbf{Auto ignition temperature (°C)} \qquad \qquad \text{No information available as testing has not been completed.}$ 

Viscosity No information available as testing has not been completed.

**Explosive properties** Not classified as explosive.

Oxidising properties The product does not meet the criteria to be classified as oxidising.

# 9.2 Other information

**Molecular weight** Does not apply, the product is a mixture.

**Volatile organic compound**No information available as testing has not been completed.

Other information None noted.

### Section 10: Stability and reactivity

#### 10.1 Reactivity

**Reactivity** Reaction with: Strong oxidising agents. Acids.

# 10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

#### 10.3 Possibility of hazardous reactions

**Hazardous reactions** For information on hazardous reaction see section 10.1.

Hazardous polymerisationWill not polymerise.Polymerisation descriptionNot applicable.

#### 10.4 Conditions to Avoid

Conditions to avoid Heat, sparks, open flames, temperature extremes and direct sunlight. Avoid extreme

temperatures and storing in large quantities and for long periods of time.

#### 10.5 Incompatible materials

**Materials to avoid** Keep away from acids and oxidants. Do not mix with other chemicals unless listed on

directions.

### 10.6 Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapours.

# **Section 11: Toxicological information**

# 11.1 Information on toxicological effects

**Toxicological information** No toxicological information for the overall finished product.

Acute toxicity (Oral LD50)

Acute toxicity (Dermal LD50)

Acute toxicity (Inhalation LD50)

No information available as testing has not been completed.

No information available as testing has not been completed.

No information available as testing has not been completed.

**Serious eye damage/irritation** Causes severe eye damage.

**Skin corrosion/irritation** The product is classified as a skin corrosion/irritation hazard.

**Respiratory sensitisation**The product is not classified as a respiratory hazard. **Skin sensitisation**The product is not classified as a skin sensitisation hazard.

**Germ cell mutagenicity** The product is not classified as a mutagen.

**Carcinogenicity** The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:

**STOT - Single exposure** The product is not classified as a single exposure specific target organ toxin.

Specific target organ toxicity - Repeated exposure:

 $\textbf{STOT-Repeated exposure} \qquad \qquad \text{The product is not classified as a repeat exposure specific target organ toxin.}$ 

**Inhalation** Inhalation of mist or vapor may cause respiratory tract irritation.

**Ingestion** May cause chemical burns in mouth and throat. May cause severe internal injury.

**Skin contact** Corrosive! Can cause redness, pain, and severe skin burns.

**Eye contact** Causes severe eye damage.

**Waste management** When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

Routes of entry Eyes, skin, ingestion or inhalation.

**Target organs** Eyes, skin, digestive system, respiratory system.

**Aspiration hazards:** The product is not classified as an aspiration hazard. Reproductive toxicity: The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	>5000.00mg/kg Rat	>5000.00mg/kg Rat	
toluene	5580.00mg/kg Rat		>20.00mg/l (vapours) Rat 4 Hours

## **Section 12: Ecological information**

#### 12.1 Toxicity

Acute toxicity - Fish No information available as testing has not been completed. Acute toxicity - Aquatic invertebrates No information available as testing has not been completed. **Acute toxicity - Aquatic plants** No information available as testing has not been completed. **Acute toxicity - Microorganisms** No information available as testing has not been completed. **Chronic toxicity - Fish** No information available as testing has not been completed. **Chronic toxicity - Aquatic** No information available as testing has not been completed.

invertebrates

**Chronic toxicity - Aquatic plants** No information available as testing has not been completed. **Chronic toxicity - Microorganisms** No information available as testing has not been completed.

**Ecotoxicity** The product contains a substance which is harmful to aquatic life with long lasting effects.

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic

organisms.

**Eco toxilogical information** The product contains a substance which is harmful to aquatic organisms.

### 12.2 Persistence and degradability

Degradability The degradability of the product has not been stated. Biological oxygen demand No information available as testing has not been completed. No information available as testing has not been completed. Chemical oxygen demand

#### 12.3 Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

**Bioaccumulation factor** No information available as testing has not been completed.

Partition coefficient; n-Does not apply, the product is a mixture.

Octanol/Water

## 12.4 Mobility in soil

**Mobility** Soluble in water.

### 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

# 12.6 Other adverse effects

Other adverse effects None known.

Name	Acute toxicity (Fish)		Acute toxicity (Aquatic plants)
Sodium hydroxide	LC50 96 Hours 125.00mg/l Freshwater Fish		
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	LC50 >10.00mg/l Leuciscus idus (Golden Orfe)	EC50 >10.00mg/l Daphnia magna	EC50 >100.00mg/l Scenedesmus Subspicatus
toluene	LC50 5.50ppm Freshwater Fish		

#### Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

#### 13.1 Waste treatment methods

**Disposal methods** Dispose of waste and residues in accordance with local authority requirements.

### **Section 14: Transport information**

## 14.1 UN number

 UN no. (ADR)
 UN1719

 UN no. (IMDG)
 UN1719

 UN no. (IATA)
 UN1719

## 14.2 UN proper shipping name

ADR proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide + Alcohols, C12-14(even numbered),

ethoxylated < 2.5 EO, sulfates, sodium salts)

IMDG proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide + Alcohols, C12-14(even numbered),

ethoxylated < 2.5 EO, sulfates, sodium salts)

IATA proper shipping name CAUSTIC ALKALI LIQUID N.O.S. (Sodium hydroxide + Alcohols, C12-14(even numbered),

ethoxylated < 2.5 EO, sulfates, sodium salts)

#### 14.3 Transport hazard class(es)

ADR class 8
IMDG class 8
IATA class 8

Transport labels



# 14.4 Packing group

ADR/RID/ADN packing group III
IMDG packing group III
IATA packing group III

# 14.5 Environmental hazards

ADR No IMDG No IATA No

# 14.6 Special precautions for user

EMS F-A, S-B
Emergency action code A3
Hazard no. (ADR) 80
Tunnel restriction code (E)

## 14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

# **Section 15: Regulatory information**

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16

December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 830/2015 of 28

May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the

Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals

(REACH).

**Approved code of practice** 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents)

Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens)

Regulations (2001-2019)

Workplace Exposure Limits Guidance Note EH40/2005.

**Chemical safety assessment** No chemical safety assessment has been carried out.

#### **Section 16: Other information**

**General information** This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.

**Revision comments** This is a third issue. [2]Information updated. [3]Information updated. [5]Information

updated. [6]Information updated. [7]Information updated. [8]Information updated.

 $[9] Information\ updated.\ [10] Information\ updated.\ [11] Information\ updated.\ [12] Information$ 

updated. [14]Information updated. [15]Information updated.

**Revision date** 26 January 2021 **Supersedes date** 04 December 2017

Revision 3

Safety data sheet status Approved.

#### **Hazard statements in full**

H315	Causes skin irritation.
H318	Causes serious eye damage.

**H412** Harmful to aquatic life with long lasting effects.

**H290** May be corrosive to metals.

**H314** Causes severe skin burns and eye damage.

**H226** Flammable liquid and vapour.

**H304** May be fatal if swallowed and enters airways.

**H317** May cause an allergic skin reaction.

**H400** Very toxic to aquatic life.

 $\begin{tabular}{ll} \bf H410 & \begin{tabular}{ll} \bf Very toxic to a quatic life with long lasting effects. \end{tabular}$ 

H272 May intensify fire; oxidiser.H319 Causes serious eye irritation.

**H411** Toxic to aquatic life with long lasting effects.

H302Harmful if swallowed.H228Flammable solid.H332Harmful if inhaled.

H371 May cause damage to organs .H351 Suspected of causing cancer .

**H361** Suspected of damaging fertility or the unborn child.

H301 Toxic if swallowed.H310 Fatal in contact with skin.

**H330** Fatal if inhaled.

H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure .

## Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.