

PINE FLOOR GEL

FEATURES & APPLICATIONS

Pine Floor Gel is a traditional pine gel floor maintainer. Pine Gels have long since been associated with floor cleaning because of their unique features. They are natural products made from soap and high quality pine oil which combine deep cleaning power with bactericidal properties. Being highly economical cleaners they are ideal for maintaining large areas of flooring leaving a clean, fresh pine aroma in treated areas.

Pine Floor Gel will maintain thermoplastic, linoleum, tiles, sealed wood, terrazo and similar floors. **Pine Floor Gel** also makes a good light-duty hard surface cleaner and is excellent for removing oil, fat and grease marks.

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, terrazo etc.	1 in 160 with water. (30 ml per 5 litres).	Damp-mop or spray clean floor then buff to a shine with a hi-speed machine.
Cleaning walls, paintwork, tiles, plastic, laminates etc.	1 in 160 with water. (30 ml per 5 litres).	Clean thoroughly with a cloth or sponge
Removing oil and grease marks.	Use undiluted.	Pour some onto a damp cloth then clean area. Rinse with fresh water.

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

PRODUCT AND PACKAGING INFORMATION

Appearance & Odour: Clear, green gel with fresh pine fragrance.

Chemical Description: An aqueous gel containing soap, pine oil, mild alkali 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	No
Phosphate free	Yes	Acid/alkali free	No	Free of dyes/perfumes	No
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial Name	Pine Floor Gel	Supplier	Unico Ltd
Intended/Recommended use	Anti-bacterial Floor Cleaner	Address	North Main Street, Carronshore, Falkirk FK2 8HT
Issue Date	May' 15	Telephone	01324 573400
Issue Number	6	Fax	01324 573401

2. HAZARDS IDENTIFICATION

2.1 Classification This product has no classification according to Chemicals (Hazard Information Packaging and Supply) Regulations 2002.

This product is classified under EC 1272/2008

Physical and Chemical Hazards	Not classified
Human Health	Irritant properties
Environment	Not Classified

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



Signal Word
Hazard Statements

Warning

Precautionary Statements

H315 Causes skin irritation

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.
Rubber /impervious Gloves for skin protection. Required for those with sensitive skin

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.

Pine Oil	1 – 10%
CAS-No.: 8002-09-3	EC No.: 304-455-9
Classification (EC 1272/2008) Skin Irritant 2 – H315	

Tall Oil Fatty Acid	1 – 10%
CAS-No.: 61790-12-3	EC No.: 263-107-3
Classification (EC 1272/2008) None	

Sodium Hydroxide		0.1 – 1%
CAS-No.: 1310-73-2	EC No.: 215-185-5	
Classification (EC 1272/2008) Metal Corr. 1 – H290		Skin / Eye Corr. 1A – H314

<u>NAME</u>	<u>RANGE</u>	<u>EINECS</u>	<u>CAS No</u>	<u>Conc. Limit for Classification</u>
Sodium Sesquicarbonate	0.1 - 1.00 %	-	533-96-0	none
CI 19140	< 0.10 %	217-699-5	1934-21-0	1%
CI 42045	< 0.10 %	204-934-1	129-17-9	1%

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Ingestion** Drink a glass of 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. 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, 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

4.3 Indication of any immediate medical attention and special treatment needed

If irritation to the mouth, throat, stomach, skin, or eyes 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_x & NO_x) 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..

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

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Comments
Sodium Hydroxide	WEL	--	--	--	2mg/m ³	

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

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 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 gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Green gel	Flash Point (ACC)	-
Odour	Pine	Viscosity (20C)	15,000 cp approx.
pH	9.5 typically	Water Solubility	Soluble
Relative Density	1.00	Explosive Properties	None
Oxidising Props.	None	Vapour Pressure	N/A
Fat Solubility	Forms emulsion	Boiling Point	Approx. 80 C

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 > 1% based on the product formulation and those with a listed exposure limit in Section 8.

Acute Toxicity – Irritant to tissue and eyes

Component	LD-50, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Pine Oil	2000 (rat)	--	-	None known
Sodium Hydroxide	40 (mouse)	500 (rabbit)	250 mg/m ³ (IDLH)	None known

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organs None known

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
Pine Oil	0.3 (Fish)	96	
Sodium Hydroxide	125 (Gambusia affinis)	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.

PRODUCT SAFETY DATA SHEET

**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 T

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

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation