



PRODUCT INFORMATION SHEET

PINE GEL

HARD SURFACE CLEANER

PRODUCT INFORMATION:

Viscous, alkaline, hard surface cleaner ideal for all alkaline safe floor surfaces such as tiles, terrazzo & stone as well as sinks, lavatories, plastics & worktops, leaving a streak free finish & a pine fresh fragrance.

ADVANTAGES:

GENERAL PURPOSE APPLICATION:

Pine Gel is a concentrated product effective on all washable surfaces such as stainless steel, chrome, plastic, glass, ceramic, porcelain, vinyl, rubber, marble, terrazzo, polished & sealed floors.

POWERFUL SOIL REMOVAL:

Contains a blend of anionic surfactants, wetting and emulsifying agents which enable it to penetrate emulsify & remove grease & grime quickly & efficiently.

NON-STREAKING:

Pine Gel leaves a clear, sparkling, streak and stain free surface without leaving a film.

FAST ACTING AND VERSATILE:

Effective within moments of application & can be applied easily by spray or mop to all surfaces.

BIODEGRADABLE:

Readily biodegradable water based cleaner.

SOLUBILITY:

100% soluble in water.

DIRECTIONS FOR USE:

Dilute up to 1 part product with 40 parts clean water. Apply by spray or mop directly onto surface & wipe clean with a clean cloth or mop or burnish to a shine with a high speed floor machine.

HEALTH AND SAFETY:

See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 5Lt Drum.

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 3 years.

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PRODUCT NAME: PINE GEL

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

1.1. Product identifier

Product Name PINE GEL
Product No. HR 505

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

Identified uses: Cleaning agent

1.3. Details of the supplier of the safety data sheet

Supplier Total Cleaning Supplies
Limerick: 061 436 402 | Cork: 021 435 5262
sales@totalcleaningsupplies.ie www.totalcleaningsupplies.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: H302, H315, H318, H400
Human health: Harmful if swallowed. Causes Skin Irritation. Causes serious eye damage
Environment: The product contains a substance which is very toxic to aquatic life.

2.2. Label elements

Labelling Contains: Pine Oil, Sodium Hydroxide, Non-Ionic surfactants



DANGER



WARNING



WARNING

Hazard Phrases H302 Harmful if swallowed
H315 Causes Skin Irritation
H318 Causes serious eye damage
H400 Very toxic to aquatic life

Precautionary Statements P262 Do not get in eyes, on skin or on clothing
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product.
P301 IF SWALLOWED: Rinse mouth. Call a poison centre or doctor if & 312 you feel unwell.
P305 IF IN EYES: Flush eyes with water, remove contact lenses if & 310 present & continue rinsing. Immediately call a poison centre or doctor/physician.
P280 Wear protective gloves/eye protection/face protection
P302, IF ON SKIN: Remove contaminated clothing & rinse skin
352 & thoroughly with soap & water. Obtain medical attention if irritation
362 persists. Wash contaminated clothing before re-use
P273 Avoid release to the environment
P391 Collect spillage & absorb on to sand
P501 Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible

2.3. Other hazards: N/A

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOL ETHOXYLATE CAS-No.: 68439-45-2	EC No.:	15-20%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400		
SODIUM HYDROXIDE CAS-No.: 1310-73-2	EC No.: 215-185-5	1-2%
Classification (EC 1272/2008) Skin Corr. 1A - H314		
PINE OIL CAS-No.: 8002-09-3	EC No.:	5-10%
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335		

A Full Text for all Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
Eye Contact:	Flush eyes with water immediately. Obtain medical attention immediately
Ingestion:	Rinse out mouth immediately with water. Obtain medical attention immediately
Protection of first aider:	Avoid ingestion, contact with skin and eyes (see Section 8.)

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

Inhalation:	Spray mists may cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. May cause internal injury
Skin contact:	Irritating to skin. May burn the skin after prolonged contact
Eye contact:	Causes severe burns. Risk of serious damage to eyes

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	This product is flammable. Use appropriate extinguishing media for surrounding materials
5.2 Unsuitable:	N/A
5.3 Specific Hazards:	Avoid breathing fire vapours. Harmful vapours or gases may be formed in a fire
5.4 Special Equipment for the protection of Fire Fighters:	Wear full protective clothing & breathing apparatus.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Avoid ingestion, contact with skin & eyes (see Section 8.)
- 6.2 Environmental Precautions: No special measures required
- 6.3 Methods for Cleaning up: Small Spills - Flush with water.
Large Spills - Contain and collect spillage and absorb on to sand for disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

- Technical Measures: No special measures required.
- Safe Handling Advice: None noted. Comply with instructions for use.

7.2 Storage

- Technical Measures: No special measures required.
- Storage Conditions: Store in a cool dry place away from oxidizing agents.
- Incompatible Products: None known.
- Packaging: Plastic Drums.
- Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable – N/A.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Measures: No special measures required.
- 8.2 Personal Protection Equipment:



- Respiratory Protection: Provide adequate ventilation in areas of confined space.
- Hand Protection: Use Chemical Resistant Gloves to EN Standard 374 Category III, Letter Code K
- Eye Protection: Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher
- Skin Protection: Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher

- 8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

8.4 Occupational Exposure Limits:

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		ppm	mg/m ³	ppm	mg/m ³	
SODIUM HYDROXIDE	OELV	-		-	2	-

OELV = Occupational Exposure Limit Value.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Appearance:	Viscous yellow liquid
b)	Odour:	Strong Pine
c)	Odour threshold:	N/A
d)	pH:	13+/-0.5 (Undiluted)
e)	Melting point/freezing point:	No data available
f)	Initial boiling point & range:	100°C
g)	Flash point:	No data available
h)	Evaporation rate:	No data available
i)	Flammability solid, gas):	No data available
j)	Upper/lower flammability or explosive limits:	No data available
k)	Vapour pressure:	No data available
l)	Vapour density:	No data available
m)	Relative density:	1.075kg/dm ³
n)	Solubility(ies):	Soluble in Water
o)	Partition coefficient: n-octanol/water:	No data available
p)	Auto-ignition temperature:	No data available
q)	Decomposition temperature:	No data available
r)	Viscosity:	No data available
s)	Explosive properties:	No data available
t)	Oxidising properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity:</u>	Reaction with aluminium, brass, tin and zinc produces hydrogen.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Hazardous Polymerisation N/A
<u>10.4. Conditions to avoid:</u>	Do not mix with strong acids or oxidising agents.
<u>10.5. Incompatible materials:</u>	Strong acids or oxidising agents.
<u>10.6. Hazardous decomposition products:</u>	None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	Spray mists may cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. May cause internal injury
Skin contact:	Irritating to skin. May burn the skin after prolonged contact
Eye contact:	Causes severe burns. Risk of serious damage to eyes

11.2. Toxicological information on ingredients:

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute toxicity:

- Acute Toxicity (Oral LD50)
> 5000 mg/kg Rat
 - Acute Toxicity (Dermal LD50)
> 2000 mg/kg Rat
 - Acute Toxicity (Inhalation LC50)
> 1.6 mg/l (dust/mist) Rat 4 hours
- REACH dossier information

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SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute toxicity:

Acute Toxicity (Dermal LD50)
1350 mg/kg Rabbit
IUCLID chemical data sheet.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:

Not regarded as dangerous for the environment. The product is easily biodegradable.

12.1. Toxicity

Ecological information on ingredients:

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute Toxicity - Fish
LC50 96 hours 0.59 mg/l Pleuronectes platessa
REACH dossier information
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 0.14 mg/l Daphnia magna
REACH dossier information
Acute Toxicity - Aquatic Plants
EC50 72 hours 0.75 mg/l Selenastrum capricornutum
REACH dossier information

SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute Toxicity - Fish
LC50 96 hours 45.4 mg/l Onchorhynchus mykiss (Rainbow trout)
IUCLID chemical data sheet.

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Biodegradation. Activated sludge Degradation (72%) 28 days
REACH dossier information
The substance is readily biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Bioaccumulation factor
BCF 12.7 Pimephales promelas (Fat-head Minnow)
REACH dossier information

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

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SECTION 13: DISPOSAL CONSIDERATIONS

General information: Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Consign empty container to normal waste.

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	N/A
ICAO/IATA-DGR:	N/A
GGVSee/IMDG-Code:	N/A

14.1. UN number

None

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

N/A.

14.4. Packing Group

N/A

14.5. Environmental Hazards

None known

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

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.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

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Hazard Statements In Full

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H315 Causes Skin Irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.