



PRODUCT INFORMATION SHEET

PINE DISINFECTANT

MULTI-PURPOSE DISINFECTANT

PRODUCT INFORMATION:

Formulated for use as a general purpose disinfectant for drains, refuse bins, sinks, lavatories, floors & walls to kill bacteria, deodorize & neutralize bad odours to leave a pleasant pine fresh fragrance.

ADVANTAGES:

GENERAL PURPOSE APPLICATION:	Pine disinfectant is effective on all washable surfaces such as stainless steel, chrome, plastic, glass, ceramic, porcelain, vinyl, rubber, marble, terrazzo, polished & sealed floors.
DISINFECTION:	Contains Benzalkonium Chloride a proven and powerful disinfectant against a wide range of gram-positive & gram negative bacteria
NON-STREAKING:	Pine disinfectant 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 to leave a pleasant pine fragrance
BIODEGRADABLE:	Readily biodegradable water based cleaner.
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:

Dilute up to 1:20 with potable water. Apply by spray or mop directly onto surface & wipe clean with a clean cloth or mop.

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 DISINFECTANT

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

1.1. Product identifier

Product Name PINE DISINFECTANT
Product No. BR 411

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: H319
Human health: Causes serious eye irritation
Environment: This product is readily biodegradable and not expected to be hazardous to the environment.

2.2. Label elements

Detergent Labelling: Contains: Alkyl Dimethyl Benzyl Ammonium Chloride, Non-Ionic & Anionic surfactants



LABELLING:

WARNING

Hazard Phrases H319 Causes serious eye irritation
Precautionary Statements P102 Keep out of the reach of children
P264 Wash hands thoroughly after handling
P280 Wear eye protection
P305 IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Obtain medical attention if irritation persists.

2.3. Other hazards N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOL ETHOXYLATE	1-3%
CAS-No.: 68439-45-2	EC No.:
Classification (EC 1272/2008)	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	

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COCONUT DIETHANOLAMIDE CAS-No.: 8051-30-7	EC No.:	0-2%
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318		
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1	EC No.: 270-325-2	0-2%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400		
PINE OIL CAS-No.: 8002-09-3	EC No.:	0-2%
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:	In case of inhalation of spray mist: Move person into fresh air and keep at rest.
Ingestion:	DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
Skin contact:	Wash skin with soap and water.
Eye contact:	Flush eyes with water, remove contact lenses if present & continue rinsing. Obtain medical attention if irritation persists.
Protection of first aider:	Avoid contact with eyes (see Section 8.)

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

Inhalation:	No symptoms noted.
Ingestion:	No specific symptoms noted but may cause discomfort if swallowed
Skin contact:	No specific symptoms noted bur prolonged or excessively exposure may cause skin dryness.
Eye contact:	Will cause irritation to eyes. May cause serious damage to eyes by affecting the natural lubrication of the eye & cause redness &/or tearing.

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

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|--------------------------------|---|
| 6.1 Personal Precautions: | None required (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 & collect spillage & 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: | N/A |

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Appearance:	Green Liquid.
b)	Odour:	Fragrant
c)	Odour threshold:	N/A
d)	pH:	7+/-0.5
e)	Melting point / freezing point:	No data available
f)	Initial boiling point & boiling range:	No data available
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:	1.00kg/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>	There are no known reactivity hazards associated with this product.
<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:	No symptoms noted.
Ingestion:	No specific symptoms noted but may cause discomfort if swallowed
Skin contact:	No specific symptoms noted bur prolonged or excessive exposure may cause skin dryness.
Eye contact:	Will cause eye irritation. May cause serious damage to eyes by affecting the natural lubrication of the eye & cause redness &/or tearing

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11.2.Toxicological information on ingredients:

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

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

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1)

Acute Toxicity (Oral LD50)
150 mg/kg Mouse
Acute Toxicity (Dermal LD50)
1420 mg/kg Rat
Miscellaneous information sources.

COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute Toxicity (Oral LD50)
> 2000 mg/kg Rat
IUCLID chemical data sheet

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity: Not regarded as dangerous for the environment. The product is 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
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 0.14 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 72 hours 0.75 mg/l Selenastrum capricornutum
REACH dossier information

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1)

Acute Toxicity - Fish
LC50 96 hours 0.31 mg/l Lepomis macrochirus (Bluegill)
Miscellaneous information sources.

COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute Toxicity - Fish
LC50 96 hours 5.4 mg/l Brachydanio rerio (Zebra Fish)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 2.39 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 96 hours 2.3 mg/l Scenedesmus acutus
IUCLID chemical data sheet.

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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.

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

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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.

SECTION 16: OTHER INFORMATION

Revision Comments

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

Revision Date: 01.01.17

Revision No: 4

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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.