

# Material Safety Data Sheet

Infosafe  
No™.

K1H2U Issue Date: June 2012

ISSUED by SEPTONE 1.6.13 CS:

Product Name: **DISINFECTANT CONTAINING 3% QUATERNARY AMMONIUM COMPOUNDS**

**Classified as hazardous**

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name** DISINFECTANT CONTAINING 3% QUATERNARY AMMONIUM COMPOUNDS

**Company Name** Septone Products Pty Ltd (ABN 50 009 745 537)

**Address** 44 Aquarium Avenue HEMMANT  
QLD 4174

**Emergency Tel.** Business hours only: 1800 000 945 or New Zealand  
Poisons Information Centre 0800 764 766

**Telephone/Fax Number** Tel: (07) 3390 5044  
Fax: (07) 3390 5041

**Email** general@septone.com.au (For NZ customers other  
than in emergencies. Your supplier can be  
contacted)

**Recommended Use** Commercial/household grade disinfectant.

<b>Other Names</b>	<b><u>Name</u></b>	<b><u>Mancode</u></b>
	DISINFECTANT CONTAINING 3% QUATERNARY AMMONIUM COMPOUNDS	
	PINEAROMA	HDP5, HDP20, HDP200
	SPICE	HDS5, HDS15, HDS25
	LAVENDER FRESH	HDLF5, HDLF20
	LEMON X5	HDLX5, HDLX20

**Other Information** The information herein is, to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions of application are beyond our control, Septone does not accept liability for any damages resulting from the use of, or reliance on, this information, in inappropriate contexts.

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## 2. HAZARDS IDENTIFICATION

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<b>Hazard Classification</b>	Classified as hazardous HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
<b>Risk Phrase(s)</b>	Classified as hazardous R50 Very toxic to aquatic organisms.
<b>Safety Phrase(s)</b>	S2 Keep out of reach of children. S45 In case of accident or if you feel unwell seek medical advice immediately S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
<b>Sensitization of Product</b>	None of the components of this product is considered to be a skin or respiratory sensitiser.
<b>Teratogenicity</b>	None of the components of this product is considered to be a teratogen.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Chemical Characterization</b>	Liquid				
<b>Information on Composition</b>	For Pinearoma, the ingredients determined not to be hazardous ranges from 10-30%.				
<b>Ingredients</b>	<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>	<b><u>Hazard</u></b>	<b><u>R Phrase</u></b>
	Water	7732-18-5	>60-100 %		
	Benzalkonium chloride	63449-41-2	0-<10 %	Xn, C, N	R34, R50, R21/22
	Ingredients determined not to be hazardous		0-<10 %		

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### 4. FIRST AID MEASURES

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<b>Inhalation</b>	Remove the victim from the source of exposure. If the victim is not breathing, apply artificial resuscitation.
<b>Ingestion</b>	Do NOT induce vomiting. Give water to drink. Seek medical attention.
<b>Skin</b>	Remove contaminated clothing and launder before re-use. Wash affected skin with soap and water.
<b>Eye</b>	Hold the eyes open and flush with water for at least 15 minutes. Seek medical attention.
<b>First Aid Facilities</b>	This Material Safety Data Sheet should be provided to the attending medical doctor. An eye wash

bottle and normal washroom facilities should be readily available.

**Advice to Doctor** Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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<b>Fire Fighting Measures</b>	This product is not flammable under the conditions of use and does not support combustion.
<b>Suitable Extinguishing Media</b>	Use the extinguisher appropriate to the principal fire hazard or to the source of the fire.
<b>Hazards from Combustion Products</b>	Following the evaporation of water from the product if it is involved in a fire, the residue may produce carbon monoxide as well as other unidentifiable organic compounds.
<b>Special Protective Equipment for fire fighters</b>	Firefighters are to wear protective equipment appropriate to the principal fire hazard or the source of the fire. No special protective equipment required if this product is involved in a fire.
<b>Specific Hazards</b>	None known.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Spills & Disposal** Note: spillages are slippery. Personnel involved in cleaning up any spills are to wear the appropriate protective equipment (refer to Personal Protective Equipment). Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth (but not sawdust), and then transfer to correctly labelled, sealed plastic containers for disposal. Prevent the spillage from entering the sewerage system or waterways. Dispose of large amounts of recovered spillages in a suitable chemical dump (check the local statutory requirements). For residual amounts, rinse to effluent with a large excess of water.

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## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling** Ensure the appropriate personal protective equipment is used when handling this material if required. Do not mix with soap or detergents. Use safe workplace practices and avoid contaminating waterways. Do not smoke whilst using this product. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking

or using toilet facilities.

**Conditions for Safe Storage** Store in original container in a clean, dry, cool, well ventilated area away from foodstuffs. Keep containers well sealed when not in use.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**National Exposure Standards** No value assigned by NOHSC for any ingredients used in this product.

**Engineering Controls** Natural ventilation adequate under normal conditions of use. Keep containers closed when not in use.

**Personal Protective Equipment** Not required under normal conditions of use. Wear impervious gloves and chemical goggles if handling large amounts or if splashing is likely to occur.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Form** Liquid

**Appearance** Lavender Fresh: Clear lavender mobile liquid, lavender fragrance.  
Lemon-X5: Clear fluorescent yellow mobile liquid, lemon fragrance.  
Pinearoma: Clear fluorescent yellow mobile liquid, pine fragrance.  
Spice: Clear bright pink mobile liquid, spice fragrance.

**Boiling Point** 100°C

**Solubility in Water** Complete

**Specific Gravity** 0.990-1.000 @ 25°C (formulation dependent)

**pH Value** 7.5

**Evaporation Rate** As for Water

**Volatile Component** 80-92% w/v (formulation dependent)

**Flash Point** This product will not flash and does not support combustion.

**Flammability** This product is not flammable under the conditions of use and does not support combustion.

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability** Considered stable to heat and light, however for extended shelf life store below 30°C and keep out of direct sunlight.

**Conditions to** None known.

**Avoid**

**Incompatible Materials** Soaps, detergents, anionic surfactants, strong oxidising agents.

**Hazardous Decomposition Products** If this product is involved in a fire, the water contained in it may evaporate, leaving a residue which may combust. During combustion, the residue may produce carbon monoxide as well as other unidentifiable organic compounds.

**Hazardous Polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Inhalation** Not irritating to the nose, throat and respiratory tract.

**Ingestion** Mildly irritating. LD50 (rat) 1200 mg/kg for the quaternary ammonium compound used in this product.

**Skin** Mild skin irritant.

**Eye** Mild eye irritant.

**Chronic Effects** Repeated or prolonged skin contact may lead to defatting of the skin, which can lead to the onset of dermatitis.

**Reproductive Toxicity** None of the components of this product is considered to be toxic to the unborn foetus.

**Mutagenicity** None of the components of this product is considered to be a mutagen.

**Carcinogenicity** None of the components of this product is considered to be a carcinogen.

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## 12. ECOLOGICAL INFORMATION

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**Short Summary of Assessment of Environmental Impact** The nonionic surfactant contained in this product is readily biodegradable, but is regarded as toxic to aquatic organisms. OECD 302B testing of the quaternary ammonium compound contained in this product indicates that it is readily biodegraded, but it is also regarded as toxic to aquatic organisms. Therefore, the undiluted product should be prevented from entering waterways. If possible, the expended material should be drained to the sewer as sewerage treatment will greatly reduce damage to water quality. Whilst the aquatic toxicity of the components is relatively high (96 hour maximum safe concentration in the order of 1-5 mg/L), dilution of the product with the large excesses of water present and the relatively rapid biodegradation of the surfactants and quaternary ammonium compound should ensure minimal ecotoxicity.

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### 13. DISPOSAL CONSIDERATIONS

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<b>Waste Disposal</b>	Dispose of large amounts in a chemical dump according to local authority statutory requirements. For residual amounts, wash the product to the drain with a large excess of water.
<b>Container Disposal</b>	Rinse empty containers with an excess of water to the effluent system. The clean, empty containers are recyclable.

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### 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Storage and Transport</b>	Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>IMO Marine Pollutant</b>	Not classified as a Marine Pollutant, according to the International Maritime Dangerous Goods Code.

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### 15. REGULATORY INFORMATION

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<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Dangerous for the environment
<b>AICS (Australia)</b>	To the manufacturer's best knowledge, all of the components of this product are listed on AICS (Australian Inventory of Chemical Substances).

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### 16. OTHER INFORMATION

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<b>Contact Person/Point</b>	Technical Manager (07) 3390 5044
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**...End Of MSDS...**

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