

MATERIAL SAFETY DATA SHEET

PINE GEL DISINFECTANT

No. 1 | Date Issued: 07/03/2011

COMPANY DETAILS			
NAME:	Hygiene Systems (Pty) Ltd	EMERGENCY TEL:	0860 494 4363
ADDRESS:	7 Hargan Road, Jet Park, Boksburg	TEL:	011 552 8403
SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION			
TRADE NAME:	Pine Gel Disinfectant		
CHEMICAL FAMILY:	Detergent Sanitiser		
CHEMICAL NAME:	Not applicable		
SYNONYMS:	Not applicable		
CHEMICAL ABSTRACT NO.:	Not applicable		
SECTION 2 – COMPOSITION INFORMATION ON INGREDIENTS			
DESCRIPTION:	%	EC NUMBER:	CLASSIFICATION:
ALKYL DIMETHYL BENZENE AMMONIUM CHLORIDE (CAS NO.: 85409-22-9)	5 - 10		Xn; R22 Xi; R36/38

SECTION 3 – HAZARD IDENTIFICATION

MAIN HAZARD:	Harmful
FLAMMABILITY:	Not flammable
CHEMICAL HAZARD:	Harmful
BIOLOGICAL HAZARD:	Prolonged skin contact may defat the skin
REPRODUCTIVE HAZARD:	Not known
HEALTH EFFECTS – EYE CONTACT:	Stinging sensation (irritant)
HEALTH EFFECTS – SKIN CONTACT:	Irritating to skin
HEALTH EFFECTS – INGESTION:	Harmful if swallowed
HEALTH EFFECTS – INHALATION:	Not expected to be a hazard under normal use conditions with good ventilation


SECTION 4 – FIRST AID MEASURES

PRODUCT IN EYE:	Immediately flush with water for at least 15 minutes or until irritation stops. Seek medical advice.
PRODUCT ON SKIN:	Immediately flush skin with plenty of water and remove any contaminated clothing. Seek medical advice
PRODUCT INGESTED:	Do not induce vomiting. Give copious amounts of water to drink. Seek medical attention.
PRODUCT INHALED:	Remove to fresh air. Consult physician, should breathing still be difficult.

SECTION 5 – FIRE RESPONSE MEASURES

EXTINGUISHING MEDIA:	Not applicable
SPECIAL HAZARDS:	None
PROTECTIVE CLOTHING:	Not applicable

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Splash goggles, overalls, boots and gloves 
ENVIRONMENTAL PRECAUTIONS:	Do not allow to enter waterways
SMALL SPILLS:	Flush to approved drain with plenty of water.
LARGE SPILLS:	Absorbed onto inert material. May be buried in an approved landfill site.

SECTION 7 – HANDLING AND STORAGE

SUITABLE MATERIAL:	Polyethylene containers (original container)
HANDLING / STORAGE PRECAUTIONS:	Avoid contact with skin and eyes. Store in a cool dry place.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:	Not applicable
ENGINEERING CONTROL MEASURES:	None
PERSONAL PROTECTION: (respiratory)	None
PERSONAL PROTECTION: (hand)	Rubber gloves if contact is prolonged
PERSONAL PROTECTION: (eye)	Goggles/Face shield
PERSONAL PROTECTION: (skin)	Overalls
OTHER PROTECTION:	Ventilation (local exhaust)
HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling product and before eating, smoking and before going home.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, fluorescent green liquid
ODOUR:	That of pine
pH (as is):	7.5 – 9.5
BOILING POINT:	Approx. 100°C

FREEZING POINT:	Not determined
FLASH POINT:	Not flammable
FLAMMABILITY:	Not flammable
EXPOSURE PROPERTIES:	Not considered as a product that has an explosion risk
OXIDIZING PROPERTIES:	None
VAPOUR PRESSURE:	Not determined
DENSITY @ 20°C:	1.00 +/- 0.01g/cm ³
SOLUBILITY – WATER:	Complete
SOLUBILITY – SOLVENT:	Soluble in polar solvents
SOLUBILITY – COEFFICIENT:	This product is more soluble in water
SECTION 10 – STABILITY AND REACTIVITY	
STABILITY:	This product is stable
INCOMPATIBLE MATERIALS:	Strong acids and oxidizing agents
SECTION 11 – TOXICOLOGICAL INFORMATION	
LOCAL EFFECTS:	
SKIN IRRITATION:	Hazardous in case of skin contact (irritant)
EYE IRRITATION:	Hazardous in case of eye contact (irritant)
ACUTE TOXICITY:	LD ₅₀ (rat): 240 mg/kg (quaternary ammonium compound)
CHRONIC TOXICITY:	Severe eye and skin irritation may be produced with repeated or prolonged contact with concentrated product.
SPECIFIC EFFECTS:	
CARCINOGENIC EFFECTS:	None, as classified by OSHA and NIOSH
SECTION 12 – ECOLOGICAL INFORMATION	
ECO-TOXICITY IN WATER:	Harmful to aquatic organisms
BIODEGRADABILITY:	Not determined. If used responsibly, this product is not expected to cause adverse effects to the environment.


SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATION:	Do not re-use containers. Puncture all plastic containers.
DISPOSAL METHODS:	Waste must be disposed of in accordance with local government and environmental control regulations.
WASTE CLASSIFICATION:	No additional information
EUROPEAN WASTE CATALOGUE (EWC):	No known data
HAZARDOUS WASTE:	The classification of this product does not meet the criteria for a hazardous waste.

SECTION 14 – TRANSPORT INFORMATION

INTERNATIONAL TRANSPORT REGULATIONS:						
REGULATORY INFORMATION:	UN NUMBER:	PROPER SHIPPING NAME:	CLASS:	PACKING GROUP:	LABEL:	ADDITIONAL INFORMATION:
ADR/RID CLASS: <i>Land – Road / Railway</i>	Not regulated	-	-	III	-	-
ADN CLASS: <i>Inland – Waterways</i>	Not regulated	-	-	-	-	-
IMDG CLASS: <i>Sea</i>	Not regulated	-	-	-	-	-
IATA-DGR CLASS: <i>Air</i>	Not regulated	-	-	-	-	-

SECTION 15 – REGULATORY INFORMATION

EU REGULATIONS:	
HAZARD SYMBOL(S):	
CLASSIFICATION:	Irritant
HAZARD STATEMENTS:	R22 – Harmful if swallowed R36/38 – irritating to eyes and skin
PRECAUTIONARY STATEMENTS:	S2 – Keep out of reach of children S46 – If swallowed, seek medical advice immediately and show this container or label.
PRODUCT USE:	Consumer applications Classification and labeling have been performed as close as possible according to EU directives 67/548/EEC, 1999/45/EC including any amendments and the intended use.

SECTION 15 – REGULATORY INFORMATION

OTHER SPECIAL CONSIDERATIONS:	No additional remarks.
DISCLAIMER:	<p>Hygiene Systems believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling and possible addition of other chemicals, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for user’s consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data to comply with all applicable international, state, and local laws and regulations.</p>