

MATERIAL SAFETY DATA SHEET
ACCORDING TO 91/155 BC
ISSUING DATE: 27 November 2002

Section 1 PRODUCT & COMPANY IDENTIFICATION	
Product Name:	Liquid Sanitizer Solution
Product Use:	Sanitizing and disinfecting solution for use in urinal and toilet bowl
Manufacturer/Distributor:	Double Class (M) Sdn Bhd No.6(Lot103) Jalan 6/11,Kg. Tasik Tambahan 68000 Ampang Selangor Darul Ehsan.Malaysia
For Information:	E-mail : sales@doubleclass.com
In An Emergency:	Tel : 603-42809898
Prepared By:	Dennis Ng - Chemist
Preparation Date:	27 November 2002

Section 2 COMPOSITION INFORMATION ON INGREDIENTS		
Components:	% W/W	CAS No.
Polyoxyethylene 9 Nonyl Phenyl Ether	23.00	9016-45-9
Alkyl Dimethyl Benzyl Ammonium Chloride	3.50	8001-54-5
Propylene Glycol	4.00	57-55-6
Sodium Hexametaphosphate	0.50	10124-56-8
Perfume (Fragrance Oils Int'l Ltd – U.K.)	1.50	Proprietary
Water	67.50	
Total	100.00	

Section 3 HAZARDS IDENTIFICATION	
Emergency Overview:	Avoid contact with eyes.
Primary Routes of Entry:	Inhalation and skin.
Physical Hazards:	None expected
Health Hazards:	--
Acute Exposure:	
Eye:	Direct contact may cause reddening.
Skin:	None expected under ordinary use. Repeated or prolonged contact May cause skin irritation.
Ingestion:	Will cause nausea and ingestive upset.
Vapor Inhalation:	Exposure to large amounts may cause irritation of the eyes, nose and throat and drowsiness.
Chronic Exposure:	None known.
Carcinogenicity Listings:	NPT-None, LARC-None, OSHA-None, ACGIH-None.
Signs and Symptoms of Overexposures:	Dermatitis, skin or eye irritation.
Medical Conditions Aggravated by Exposure:	Unknown.

Section 4 FIRST AID PROCEDURES	
Eye:	Remove any contact lenses, then immediately flush with water, lifting eyelids, for at least 15 minutes. If irritation persists, consult a physician.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, consult a physician.
Ingestion:	Drink large amount of water. If nauseous, consult a physician.
Inhalation:	If large amounts inhaled, seek fresh air immediately.

Section 5 FIRE AND EXPLOSION HAZARD	
Flash Point and Method:	None.
Auto Ignition:	Not applicable.
Explosion Limits:	Not applicable.
Flammability Classification as Defined by OSHA:	None combustible.
Combustion Products:	Not applicable.
Extinguishing Media:	Non combustible. Use media relevant to primary cause of fire - water, carbon dioxide, dry chemical or foam.
Unusual Fire and Explosion Hazard:	None known.
Special Fire-Fighting Precautions:	None required.
Fire-Fighting Equipment:	Use equipment suitable for ordinary combustible material.

Section 6 ACCIDENTAL RELEASE MEASURES	
Procedures for Clean-up: For Small Spills:	Cover with absorbent material and remove to disposal container.
Personal Precautions:	No special measure required.
Environmental Precautions:	Avoid disposal of large amounts of the product into water ways.

Section 7 HANDLING AND STORAGE	
Safe Handling and Hygienic Practices:	Avoid repeated and prolonged skin contact. Follow good hygienic practices.
Storage Requirement:	Store above freezing and below 200°F. Keep out of reach of children.

Section 8 EXPOSURE CONTROLS

Engineering Controls:	Use adequate general ventilation. Ordinary use requires no special precautions.
Personal Protection:	
Ventilation:	No special controls beyond good handling practices.
Respiratory:	NIOSH approved organic vapor mask for emergency conditions.
Eye Protection:	Use eye protection if an eye contact hazard is present.
Gloves:	Rubber gloves suggested for repeated or prolonged product use. Otherwise, no requirement.
Ingestion:	Do not ingest or allow product to come into contact with food.
Exposure Limit Guidelines:	Unknown - not listed in the OSHA Permissible Exposure Limit (PEL) Guideline.

Section 9 PHYSICAL & CHEMICAL PROPERTIES	
Appearance/Pack Size:	Recyclable PE Bottle / 5 or 25 litres
Chemical Form and Odor:	Water-Clear Yellow with Citrus Odor.
Physical State:	Liquid
Specific Gravity:	1.035, 8.08 lbs/US Gallon
Solubility in Water:	100%
pH of Concentration:	7.5
Vapor Pressure:	Data not available.
Boiling Point:	<200 ⁰ F (estimated).
Viscosity:	Data not available.
Vapor Density:	(Air = 1), > 1 (estimated).
Percent Volatile by Volume:	99%.
Evaporation Rate:	(Butyl Acetate = 1), > 1 (estimated).
Freezing Point:	< 32 ⁰ F, (< 0 ⁰ C).

Section 10 STABILITY & REACTIVITY	
Stability:	Stable.
Conditions to Avoid:	Avoid high temperatures.
Incompatibility:	Avoid substances that react strongly with water and avoid contact with strong oxidizing agents.
Hazardous Decomposition:	Unknown.
Hazardous Polymerizations:	Will not occur.

Section 11 TOXICITY INFORMATION	
Current information for this MSDS developed from component data and manufacturing experience.	

Section 12 ECOLOGICAL INFORMATION	
General Notes: Water Hazard:	Slightly hazardous for water. Do not allow undiluted or large quantities of it to reach ground water, water bodies or sewage system.

Section 13 DISPOSAL CONSIDERATION	
RCRA Classification:	Not established.
Special Instructions:	Do not dispose large amounts to a biological facility. May be landfilled at a certified facility according to local, state and Federal Regulations. Consult authorities for compliance needs.

Section 14 TRANSPORTATION INFORMATION	
DOT Labelling:	Not required.

Section 15 REGULATORY INFORMATION	
OSHA Compliance:	This MSDS prepared in accordance with 29 CFR 1910.1200 and ANSI 2400.1 standard.
TSCA:	Components of this product are not listing under the Toxic Substances Control Act (TSCA), this blended product requires no import or export declarations.
SARA Title III Superfund:	The product in its purchased form is not regulated under the SARA hazard categories as per the EPA "Hazard Categories" under section 311 and 312 of the Superfund Amendment and the Reauthorization Act of 1986 (SARA Title III)
State Right-To-Know Compliance	This product contains no toxic chemicals which are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372

Section 16 OTHER INFORMATION	
Hazard Rating: Health - 1 Flammability - 0 Reactivity - 0	
None = 0 Slight = 1 Moderate = 2 Severe damage = 3 Extreme = 4	

The information in this MSDS was obtained from current and reputable sources. However, the data is provided without any warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage and expense resulting from misuse of this product.