



## CHEMICAL SAFETY DATA SHEET

<b>Product :-</b>	Clax Universal	<b>Page :</b>	1 Of 3	<b>Date Of Issue:-</b>	8/3/2010
				<b>Issue No :-</b>	2

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION			
Product Name :-	Clax Universal		
Physical Form :-	Liquid		
Use :-			
Manufacturer / Supplier :-	Diversey Singapore Pte Ltd		
Address :-	73 Science Park Drive, #02-14 CINTECH 1, Singapore Science Park 1, Singapore 118254		
Tel. No. :-	6271 1838	Fax no. :-	6774 0906
SECTION 2 - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS			
<u>CAS NO</u>	<u>Hazardous compound</u>	<u>Percentage</u>	<u>TLV(TWA)</u>
64425-86-1	Alkyl Alcohol Ethoxylate	10 - 30	-
67-63-0	Isopropyl Alcohol	5 - 10	-
27344-41-8	Disodium 2,2'-([1,1'-bisphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate)	0.1 – 1.0	-
90194-45-9	Sodium Alkylbenzene Sulphonate	5-15	-
SECTION 3 - PHYSICAL / CHEMICAL DATA			
Appearance :-	Clear straw colour liquid	Evaporation Rate :-	N/A
Odour :-	-	Vapour Density :-	N/A
Solubility in water :-	Soluble	Specific Gravity :-	0.98
Boiling Point :-	N/A	Flash Point :-	>45°C
Melting Point :-	N/A	Autoignition Temperature :-	N/A
Vapour Pressure :-	N/A	Flammable limit ( %) :-	N/A
Volatile matters ( %) :-	N/A	pH :-	7.5
SECTION 4 - HAZARD IDENTIFICATION			
a. Proposed Classification Harmful			
:-			
b. Most Important Hazards:-			
R22 - Harmful if swallowed			
R41- Risk of serious damage to eyes			
SECTION 5 - FIRST AID PROCEDURE			
Eyes :-	Immediately rinse with water for 15 – 20 minutes. Get medical attention immediately		
Skin :-	Rinse with plenty of water		
Ingestion :-	If swallowed, rinse mouth. Give a cupful of water or milk. Get medical attention immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person		
Inhalation :-	If breathing is affected, remove from source of exposure. Get medical attention immediately.		

**CHEMICAL SAFETY DATA SHEET**

<b>Product :-</b>	<b>Clax Universal</b>	<b>Page :</b>	<b>2 Of 3</b>	<b>Date Of Issue:-</b>	<b>8/3/2010</b>
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<b>SECTION 6 - FIRE FIGHTING MEASURES</b>	
This Product Is :-	Although this product has a flash point below 93°C, it is an aqueous solution containing alcohol, it does not sustain combustion
Flammable limit ( %) :-	N/A
Extinguishing Media :-	Alcohol resistant foam. Dry chemical, water spray or CO <sub>2</sub>
Special Fire Fighting Procedure :-	As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection
Exposure Hazard :-	None known
Exposure hazards in present of various chemical :-	None known
<b>SECTION 7 - ACCIDENTAL RELEASE MEASURE</b>	
Step to be taken in case of leak / spill :-	Caution, spillage may be slippery. Wear suitable protective clothing including gloves and eye/face protection. Hose away with plenty of water diluting to at least 0.5%(w/v) unless this would contaminate a water course or vegetation, in which case either collect, dilute as earlier and pour down a waste water drain (foul sewer) or absorb onto dry sand or similar material and dispose of to a licenced waste management company. Comply with local waste disposal regulations.
<b>SECTION 8 – HANDLING AND STORAGE</b>	
Handling / Storage :-	Avoid contact with eyes, skin and clothing. Wear suitable chemical resistant protective gloves (e.g. butyl or nitrile rubber) and eye protection. Store upright in original closed containers in a cool place. Keep away from foodstuffs, beverages and food
<b>SECTION 9 – EXPOSURE CONTROL AND PERSONAL PROTECTION</b>	
a. Exposure Limit :-	N/A
b. Personal Protection	
Eyes -	When handling neat product wear eye/face protection
Skin -	No special requirements under normal use conditions. If major exposure, wear suitable protective clothing and footwear
Gloves -	Rubber gloves
Respiratory -	In case of insufficient ventilation, wear suitable respiratory equipment
Other -	Eye wash station.
c. Ventilation :-	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained
<b>SECTION 10 : STABILITY AND REACTIVITY</b>	
Product Is :-	Stable under normal storage and use condition
Hazardous Polymerization :-	Hazardous polymerization not expected to occur
Condition to Avoid :-	None known
Incompatibility ( Material To Avoid) :-	None
Hazardous Decomposition Products:-	If heated to decomposition, it releases oxides of carbon

**CHEMICAL SAFETY DATA SHEET**

<b>Product :-</b>	<b>Clax Universal</b>	<b>Page :</b>	<b>3 Of 3</b>	<b>Date Of Issue:-</b>	<b>8/3/2010</b>
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<b>SECTION 11 : TOXICOLOGICAL INFORMATION</b>	
a) Toxicity Data :-	LD50 (oral) is estimated to be 300-2000 mg/kg.
b) Carcinogenicity :-	None Known
c) Reproductive Effect :-	None Known
d) Mutagenic effect :-	None Known
e) Target organ effect :-	None Known
f) Effect of exposure :-	
Route of entry	Effect
Inhalation :-	May be irritating to nose, throat and respiratory tract
Ingestion :-	May be harmful if swallowed. Maybe irritating to mouth, throat and stomach
Eyes :-	May cause permanent damage. Severe eye irritation
Skin :-	Unlikely to be irritant in normal use
<b>SECTION 12 – ECOLOGY INFORMATION</b>	
Mobility :-	Miscible in water
Bioaccumulation :-	None
Biodegradability :-	The surfactants used in this product are biodegradable in line with the requirements of EC Directives 73/04/EEC, and their subsequent amendment.
Toxicity :-	N/A
<b>SECTION 13 - DISPOSAL CONSIDERATION</b>	
Disposal of waste to be in accordance with the Environmental Quality ( Schedule Wastes) Regulation 2005 and other guidelines issued by DOE and/or local authorities.	
<b>SECTION 14 - TRANSPORT INFORMATION</b>	
UN Number :-	3082
T.D.G Classification :-	9,
Packing Group :-	N/A
Special Shipping Instructions :-	N/A
<b>SECTION 15 - REGULATORY INFORMATION</b>	
Proposed Classification:-	Harmful
R - Phrases :	
	R22 - Harmful if swallowed
	R41- Risk of serious damage to eyes
S – Phrases :	
	S26 - In case of contact with eyes, rinse immediately with plenty of water and obtain medical attention
	S39 - Wear eye/face protection
<b>SECTION 16 : OTHER INFORMATION</b>	