

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT IDENTIFIER AND NAME</b> 1110DAL - DALCAM KLINGER		<b>PRODUCT USE</b> LIQUID BOWL AND URINAL CLEANER.	<b>WHMIS CLASSIFICATION</b> D1A, E	<b>PRODUCT ID NUMBER</b> 1789
<b>MANUFACTURER'S NAME</b> SEE SUPPLIER		<b>SUPPLIER'S NAME</b> DALCAM SANITATION SOLUTIONS INC.		
<b>STREET ADDRESS:</b>		<b>STREET ADDRESS:</b> 2857 ISLEVILLE STREET		
<b>CITY:</b>	<b>PROVINCE:</b>	<b>CITY:</b> HALIFAX	<b>PROVINCE:</b> NS	
<b>POSTAL CODE</b>	<b>EMERGENCY TELEPHONE No:</b> (613) 996-6666	<b>POSTAL CODE:</b> B3K 3X5	<b>EMERGENCY TELEPHONE No:</b> (613)-996-6666	

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%AGE	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
HYDROGEN CHLORIDE.	5-15	7647-01-1	900MG/KG ORAL RABBIT	3124PPM/1H/ RAT
LINEAR ALCOHOL ETHOXYLATE.	1-5	68131-39-5	NAV	NAV

## SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE</b> LIQUID..	<b>ODOUR AND APPEARANCE</b> WINTERGREEN/GREEN			<b>ODOUR THRESHOLD (PPM)</b> NAV
<b>VAPOUR PRESSURE (MM Hg)</b> NAV	<b>VAPOUR DENSITY</b> NAV	<b>EVAPORATION RATE</b> NAV	<b>BOILING POINT (C)</b> NAV	<b>FREEZING POINT (C)</b> NAV
<b>PH</b> 1.5 ± 0.5	<b>SPECIFIC GRAVITY</b> 1.02 ± 0.05	<b>COEFFICIENT WATER/OIL DIST.</b> NAV		

## SECTION 4 - FIRE AND EXPLOSION DATA

<b>FLAMMABILITY</b> No	<b>IF "YES", UNDER WHAT CONDITIONS?</b>		
<b>MEANS OF EXTINGUISHMENT:</b> CARBON DIOXIDE, DRY CHEMICAL, FOAM.			
<b>FLASHPOINT (C) AND METHOD</b> NAP		<b>UPPER FLAMMABLE LIMIT (% BY VOLUME)</b> NAP	<b>LOWER FLAMMABLE LIMIT (% BY VOLUME)</b> NAP
<b>AUTOIGNITION TEMPERATURE (C)</b> NAV		<b>HAZARDOUS COMBUSTION PRODUCTS:</b> HYDROGEN GAS.	
<b>EXPLOSION DATA</b>	<b>SENSITIVITY TO IMPACT</b> NAV	<b>SENSITIVITY TO STATIC DISCHARGE</b> NAV	

## SECTION 5 - REACTIVITY DATA

<b>CHEMICALLY STABLE?</b> Yes	<b>IF "NO", UNDER WHAT CONDITIONS?</b>
<b>INCOMPATIBLE WITH OTHER SUBSTANCES?</b> Yes	<b>IF SO, WHICH ONES?</b> ALKALIS, COMBUSTIBLES, OXIDIZING AGENTS, REDUCING MATERIALS, CYANIDES, SULFIDES, FORMALDEHYDE.
<b>REACTIVITY, AND UNDER WHAT CONDITIONS?</b> EXCESS HEAT, SPARKS, OPEN FLAME. OXIDISING MATERIALS.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> HYDROGEN GAS.	

**NOTE:** NAP = Not applicable; NAV = Not available.

<b>PRODUCT IDENTIFIER</b>					
<b>1110DAL</b>					
<b>SECTION 6 - TOXICOLOGICAL PROPERTIES</b>					
<b>ROUTE OF ENTRY</b>	<b>SKIN CONTACT</b> Yes	<b>SKIN ABSORPTION</b> No	<b>EYE CONTACT</b> Yes	<b>INHALATION</b> Yes	<b>INGESTION</b> Yes
<b>EFFECTS OF ACUTE EXPOSURE TO PRODUCT</b>					
<b>SKIN:</b> CORROSIVE: CAUSES CHEMICAL BURNS; CAN CAUSE DERMATITIS.					
<b>EYE:</b> CORROSIVE: CAUSES SEVERE BURNS, ULCERATION.					
<b>INHALATION:</b> CAUSES BURNS, RESP. IRRITATION, BREATHLESSNESS, COUGHING, CHEST TIGHTNESS.					
<b>INGESTION:</b> CORROSIVE: CAUSES SEVERE BURNS TO MOUTH, ESOPHAGUS, STOMACH.					
<b>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT</b>					
<b>SKIN:</b> REPEATED CONTACT CAN CAUSE ULCERATION.					
<b>EYE:</b> AS ABOVE.					
<b>INHALATION:</b> NAV					
<b>INGESTION:</b> AS ABOVE.					
<b>EXPOSURE LIMITS:</b> NAV	<b>IRRITANCY OF PRODUCT</b> SKIN, EYES, RESPIRATORY TRACT.		<b>SENSITIZATION TO PRODUCT</b> NAV		<b>CARCINOGENICITY</b> NONE.
<b>TERATOGENICITY</b> NOT ESTABLISHED.	<b>REPRODUCTIVE TOXICITY</b> NONE.		<b>MUTAGENICITY</b> NOT ESTABLISHED.		<b>SYNERGISTIC PRODUCTS</b> NONE.
<b>SECTION 7 - PREVENTIVE MEASURES</b>					
<b>SUGGESTED PERSONAL PROTECTIVE EQUIPMENT: EMPLOYER TO EVALUATE THE WORKING CONDITIONS AND DETERMINE THE NECESSARY PERSONAL PROTECTIVE EQUIPMENT.</b>					
<b>GLOVES</b> NEOPRENE OR RUBBER.	<b>RESPIRATOR</b> IF DEEMED NECESSARY USE NIOSH-APPROVED RESPIRATOR.		<b>EYE</b> SAFETY GOGGLES.		
<b>FOOTWEAR</b> RUBBER BOOTS.	<b>CLOTHING</b> IMPERVIOUS PROTECTIVE CLOTHING.		<b>OTHER</b> EYE WASH STATION, SAFETY SHOWER.		
<b>ENGINEERING CONTROLS</b> GENERAL VENTILATION.					
<b>LEAK AND SPILL PROCEDURE</b> RESTRICT ACCESS. WEAR APPROVED SAFETY EQUIPMENT. DYKE. ABSORB WITH INERT MATERIAL. NEUTRALISE WITH SODA ASH. PREVENT RUNOFF.					
<b>WASTE DISPOSAL</b> DISPOSE OF ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.					
<b>HANDLING EQUIPMENT AND PROCEDURES</b> AVOID SKIN AND EYE CONTACT.					
<b>STORAGE REQUIREMENTS</b> STORE IN COOL, WELL-VENTILATED AREA.					
<b>SPECIAL SHIPPING INFORMATION</b> CORROSIVE LIQUID (HYDROCHLORIC ACID); CLASS-8(9.2); UN-1789; PG-II.					
<b>SECTION 8 - FIRST AID MEASURES</b>					
<b>SPECIFIC MEASURES</b>					
<b>SKIN:</b> IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS OR IF CONTACT HAS BEEN PROLONGED, OBTAIN MEDICAL ATTENTION.					
<b>EYES:</b> FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN.					
<b>INHALATION:</b> REMOVE VICTIM TO FRESH AIR. IF BREATHING STOPPED, BEGIN ARTIFICIAL RESPIRATION. CALL PHYSICIAN.					
<b>INGESTION:</b> IF PATIENT IS FULLY CONSCIOUS, RINSE MOUTH WITH WATER AND DRINK 1 GLASS OF WATER. INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IMMEDIATELY.					
<b>GENERAL:</b> KEEP OUT OF REACH OF CHILDREN.					
<b>SECTION 9 - PREPARATION DATE OF MSDS</b>					
<b>PREPARED BY (GROUP, DEPARTMENT, ETC.)</b>		<b>TELEPHONE NUMBER</b>		<b>DATE OF PREPARATION</b>	
TECHNICAL DEPARTMENT				MARCH 01, 2011	

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