

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER AND NAME 0759DAL - DALCAM LAUN ANTI-RUST SOUR		PRODUCT USE DESCALER		WHMIS CLASSIFICATION E		PRODUCT ID NUMBER 3265	
MANUFACTURER'S NAME SEE SUPPLIER				SUPPLIER'S NAME DALCAM SANITATION SOLUTIONS INC.			
STREET ADDRESS:				STREET ADDRESS: 2857 ISLEVILLE STREET			
CITY:			PROVINCE:		CITY: HALIFAX		PROVINCE: NS
POSTAL CODE		EMERGENCY TELEPHONE No: (613) 996-6666		POSTAL CODE: B4C 3X5		EMERGENCY TELEPHONE No: (613)-996-6666	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%AGE	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
GLYCOLIC ACID	5-15	79-14-1	1950MG/KG (ORAL , RAT)	7.7MG/L (RAT)
CITRIC ACID	3-7	77-92-9	3G/KG (ORAL , RAT)	NAV

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE LIQUID..		ODOUR AND APPEARANCE CLEAR , MILD			ODOUR THRESHOLD (PPM) NAP	
VAPOUR PRESSURE (MM Hg) NAV		VAPOUR DENSITY NAV	EVAPORATION RATE NAV	BOILING POINT (C) NAV	FREEZING POINT (C) NAV	
PH 1.3 ± 0.5		SPECIFIC GRAVITY 1.07 ± 0.05	COEFFICIENT WATER/OIL DIST. NAV			

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY No		IF "YES", UNDER WHAT CONDITIONS?				
MEANS OF EXTINCTION: CO2, DRY CHEMICAL . AS PER SURROUNDING FIRE.						
FLASHPOINT (C) AND METHOD NAP		UPPER FLAMMABLE LIMIT (% BY VOLUME) NAP			LOWER FLAMMABLE LIMIT (% BY VOLUME) NAP	
AUTOIGNITION TEMPERATURE (C) NAP		HAZARDOUS COMBUSTION PRODUCTS: NAV				
EXPLOSION DATA		SENSITIVITY TO IMPACT NONE.			SENSITIVITY TO STATIC DISCHARGE NONE.	

SECTION 5 - REACTIVITY DATA

CHEMICALLY STABLE? Yes		IF "NO", UNDER WHAT CONDITIONS?				
INCOMPATIBLE WITH OTHER SUBSTANCES? Yes		IF SO, WHICH ONES? BASES, OXIDIZING MATERIAL				
REACTIVITY, AND UNDER WHAT CONDITIONS? REACTS WITH ACTIVE METALS, OXIDIZING AGENTS, CYANIDE/SULFIDE SALTS						
HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN , OXIDES OF NITROGEN , HYDROGEN CYANIDE, OR HYDROGEN SULFIDE GASES.						

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

PRODUCT IDENTIFIER

0759DAL

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	SKIN CONTACT Yes	SKIN ABSORPTION No	EYE CONTACT Yes	INHALATION Yes	INGESTION Yes
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EFFECTS OF ACUTE EXPOSURE TO PRODUCT**SKIN:** MAY CAUSES SEVERE IRRITATION.**EYE:** MAY CAUSE EYE CORROSION WITH CORNEAL OR CONJUNCTIVAL ULCERATION.**INHALATION:** SYMPTOMS OF EXPOSURE MAY INCLUDE: IRRITATION OF MUCOUS MEMBRANE AND RESPIRATORY TRACT, BRONCHIAL IRRITATION.**INGESTION:** MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, ESOPHAGUS, AND STOMACH, NAUSEA, VOMITING. RISK OF STOMACH PERFORATION, CONVULSIONS, AND COMA.**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT****SKIN:** MAY CAUSES SEVERE IRRITATION.**EYE:** MAY CAUSE EYE CORROSION WITH CORNEAL OR CONJUNCTIVAL ULCERATION.**INHALATION:** SYMPTOMS OF EXPOSURE MAY INCLUDE: IRRITATION OF MUCOUS MEMBRANE AND RESPIRATORY TRACT, BRONCHIAL IRRITATION.**INGESTION:** MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, ESOPHAGUS, AND STOMACH, NAUSEA, VOMITING. RISK OF STOMACH PERFORATION, CONVULSIONS, AND COMA.

EXPOSURE LIMITS: NAV	IRRITANCY OF PRODUCT SKIN, EYES, NOSE, THROAT, AND STOMACH	SENSITIZATION TO PRODUCT SKIN, EYES, NOSE, THROAT, AND STOMACH	CARCINOGENICITY NONE.
TERATOGENICITY NONE.	REPRODUCTIVE TOXICITY NONE.	MUTAGENICITY NONE.	SYNERGISTIC PRODUCTS NONE.

SECTION 7 - PREVENTIVE MEASURES**SUGGESTED PERSONAL PROTECTIVE EQUIPMENT:****EMPLOYER TO EVALUATE THE WORKING CONDITIONS AND DETERMINE THE NECESSARY PERSONAL PROTECTIVE EQUIPMENT.**

GLOVES VINYL FOR PROLONGED USE	RESPIRATOR NOT NORMALLY REQUIRED	EYE SAFETY GLASSES WITH SIDE SHIELDS.
FOOTWEAR NOT REQUIRED.	CLOTHING COVERALLS	OTHER NOT REQUIRED.

ENGINEERING CONTROLS
USE IN WELL VENTILATED AREA.**LEAK AND SPILL PROCEDURE**
DYKE AND SALVAGE OR NEUTRALIZE. SODA ASH AND LIME ARE NEUTRALIZING AGENTS.**WASTE DISPOSAL**
DISPOSE OF ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.**HANDLING EQUIPMENT AND PROCEDURES**
STORE IN COOL, DRY, WELL VENTILATED AREA IN CLOSED CONTAINER AWAY FROM HEAT SOURCES, METALS, AND OXIDIZERS.**STORAGE REQUIREMENTS**
KEEP CLOSED. AVOID FREEZING.**SPECIAL SHIPPING INFORMATION**
CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (GLYCOLIC ACID, CITRIC ACID); CLASS 8; UN3265; PG II**SECTION 8 - FIRST AID MEASURES****SPECIFIC MEASURES****SKIN:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. CALL PHYSICIAN.**EYES:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN.**INHALATION:** REMOVE VICTIM TO FRESH AIR. IF BREATHING STOPPED, BEGIN ARTIFICIAL RESPIRATION. CALL PHYSICIAN.**INGESTION:** GIVE THREE OR FOUR GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.**GENERAL:** KEEP OUT OF REACH OF CHILDREN.**SECTION 9 - PREPARATION DATE OF MSDS**

PREPARED BY (GROUP, DEPARTMENT, ETC.) TECHNICAL DEPARTMENT	TELEPHONE NUMBER	DATE OF PREPARATION 3/1/2008
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