

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT IDENTIFIER AND NAME</b> DALCAM ORANGE BLAST - PKG < 1260L		<b>PRODUCT USE</b> MULTI-PURPOSE CLEANER		<b>WHMIS CLASSIFICATION</b> B3, D2B		<b>PRODUCT ID NUMBER</b> 2319	
<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>POST CODE</b>		<b>EMERGENCY TELEPHONE NO:</b>		<b>POST 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)
D'LIMONENE	5-10	5989-27-5	4400MG/KG ORAL (RAT)	NAV
HEXYLENE GLYCOL	5-10	107-41-5	3.7G/KG ORAL RAT	NAV
LINEAR ALCOHOL ETHOXYLATE	1-5	68131-39-5	NAV	NAV

## SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE</b> LIQUID.		<b>ODOUR AND APPEARANCE</b> CITRUS, CLEAR ORANGE.			<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> 8.8 ± 0.1		<b>SPECIFIC GRAVITY</b> 0.98 ± 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 EXTINCTION:</b> NAP						
<b>FLASHPOINT (C) AND METHOD</b> NAV			<b>UPPER FLAMMABLE LIMIT (% BY VOLUME)</b> NAV		<b>LOWER FLAMMABLE LIMIT (% BY VOLUME)</b> NAV	
<b>AUTOIGNITION TEMPERATURE (C)</b> NAP			<b>HAZARDOUS COMBUSTION PRODUCTS:</b> OXIDES OF CARBON.			
<b>EXPLOSION DATA</b>		<b>SENSITIVITY TO IMPACT</b> NONE.			<b>SENSITIVITY TO STATIC DISCHARGE</b> NONE.	

## 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> CATIONIC MATERIALS, OXIDIZING AGENTS, BLEACH.				
<b>REACTIVITY, AND UNDER WHAT CONDITIONS?</b> CONTACT WITH INCOMPATIBLES.						
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> HAZARDOUS COMBUSTION PRODUCTS GENERATED UPON FIRE CONDITIONS.						

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

**PRODUCT IDENTIFIER****1003****SECTION 6 - TOXICOLOGICAL PROPERTIES**

<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
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**EFFECTS OF ACUTE EXPOSURE TO PRODUCT****SKIN:** MAY CAUSE DRYING OF SKIN.**EYE:** MAY CAUSE IRRITATION ON DIRECT CONTACT.**INHALATION:** MAY CAUSE IRRITATION OF NOSE, THROAT & LINGS.**INGESTION:** MAY CAUSE HEADACHE, NAUSEA, VOMITING.**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT****SKIN:** PROLONGED EXPOSURE MAY CAUSE DEFATTING OF SKIN & DERMATITIS.**EYE:** DIRECT CONTACT WILL IRRITATE EYES.**INHALATION:** VAPOURS MAY CAUSE IRRITATION OF NOSE, THROAT & LUNGS.**INGESTION:**

<b>EXPOSURE LIMITS:</b> NAV	<b>IRRITANCY OF PRODUCT</b> NAV	<b>SENSITIZATION TO PRODUCT</b> SKIN, EYES, LUNGS.	<b>CARCINOGENICITY</b> NAV
<b>TERATOGENICITY</b> NAV	<b>REPRODUCTIVE TOXICITY</b> NAV	<b>MUTAGENICITY</b> NAV	<b>SYNERGISTIC PRODUCTS</b> NAV

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

<b>GLOVES</b> CHEMICAL RESISTANT.	<b>RESPIRATOR</b> AS REQUIRED USE NIOSH-APPROVED RESPIRATOR.	<b>EYE</b> SAFETY GOGGLES.
<b>FOOTWEAR</b> NAP	<b>CLOTHING</b> COVERALLS.	<b>OTHER</b> NONE.

**ENGINEERING CONTROLS**  
GENERAL VENTILATION.**LEAK AND SPILL PROCEDURE**  
CONTAIN WITH APPROPRIATE ABSORBENT AND STORE IN CLOSED CONTAINER,**WASTE DISPOSAL**  
DISPOSE OF ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.**HANDLING EQUIPMENT AND PROCEDURES**  
SEE PERSONAL PROTECTIVE EQUIPMENT. AVOID CONTACT WITH SKIN & EYES, AND BREATHING OF VAPOURS,**STORAGE REQUIREMENTS**  
STORE IN COOL, DRY AREA AWAY FROM HEAT, SPARKS, FLAMES.**SPECIAL SHIPPING INFORMATION**  
N.D.G.**SECTION 8 - FIRST AID MEASURES****SPECIFIC MEASURES****SKIN:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING.**EYES:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN.**INHALATION:** N/A**INGESTION:** GIVE THREE OR FOUR GLASSES OF MILK OR WATER. 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**

<b>PREPARED BY (GROUP, DEPARTMENT, ETC.)</b> TECHNICAL DEPARTMENT	<b>TELEPHONE NUMBER</b> (902) 827-3339	<b>DATE OF PREPARATION</b> MAY 01, 2007
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