

## MATERIAL SAFETY DATA SHEET

### SECTION 1--PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: <b>CLIFF BRAND SWEEPING COMPOUND</b>		PRODUCT IDENTIFICATION NUMBER (PIN):	
PRODUCT USE: <b>FLOOR SWEEPING</b>			
MANUFACTURE'S NAME: <b>TORONTO SALT &amp; CHEMICALS LIMITED</b>		SUPPLIER'S NAME: TORONTO SALT & CHEMICALS LIMITED	
STREET ADDRESS: <b>275 GLIDDEN ROAD</b>		STREET ADDRESS: <b>275 GLIDDEN ROAD</b>	
CITY: <b>BRAMPTON</b>	PROVINCE: <b>ONTARIO</b>	CITY: <b>BRAMPTON</b>	PROVINCE: <b>ONTARIO</b>
POSTAL CODE: <b>L6W 1H9</b>	EMERGENCY TELEPHONE NO.: <b>905-459-9647</b>	POSTAL CODE: <b>L6W 1H9</b>	EMERGENCY TELEPHONE NO.: <b>905-459-9647</b>

### SECTION 2--HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	EXPOSURE LIMITS	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
<b>DOLOMITIC GRINDINGS (CALCIUM MAGNESIUM CARBONATE)</b>		1317-65-3	10 mg / m <sup>3</sup>	NOT AVAILABLE
<b>GROUND WOOD (SAWDUST)</b>			5 mg / m <sup>3</sup>	NOT AVAILABLE
<b>OIL (MINERAL)</b>		8012-95-1	5 mg / m <sup>3</sup>	NOT AVAILABLE
<b>SILICON-CRYSTALLINE</b>	.03 -.15	14808-60-7	0.1 mg /m <sup>3</sup>	NOT AVAILABLE
<b>NOTE: SILICA IS BOUND WITHIN DOLOMITE CRYSTALS. NO FREE SILICA IS PRESENT.</b>				
<b>WATER</b>		NOT AVAILABLE	NOT APPLICABLE	NOT AVAILABLE

### SECTION 3--PHYSICAL DATA

PHYSICAL STATE: <b>SOLID</b>		ODOUR AND APPEARANCE: <b>LEMON / OIL ODOUR – GREEN / RED COLOUR --GRANULAR / FIBEROUS</b>		ODOUR THRESHOLD (ppm) <b>NOT APPLICABLE</b>	
VAPOUR PRESSURE (mm Hg) <b>NOT APPLICABLE</b>	VAPOUR DENSITY (AIR=1): <b>NOT APPLICABLE</b>	EVAPORATION RATE: <b>NOT APPLICABLE</b>	BOILING POINT: <b>NOT APPLICABLE</b>	FREEZING POINT (C): <b>NOT APPLICABLE</b>	
pH: <b>NOT APPLICABLE</b>	SPECIFIC GRAVITY: <b>1.65</b>		COEFF. WATER/OIL DISTR: <b>NOT APPLICABLE</b>		

### SECTION 4--FIRE AND EXPLOSION DATA

FLAMMABILITY: YES:            NO: <b>X</b> <b>IF YES, UNDER WHICH CONDITIONS? MATERIAL IS NOT FLAMMABLE AT STANDARD AMBIENT CONDITIONS.</b>		
MEANS OF EXTINCTION: <b>WATER, CARBON DIOXIDE, FOAM, ETC.</b>		
FLASHPOINT (C) AND METHOD: <b>&gt;200</b>	UPPER FLAMMABLE LIMIT (% BY VOLUME): <b>NOT APPLICABLE</b>	LOWER FLAMMABLE LIMIT (% BY VOLUME): <b>NOT APPLICABLE</b>
AUTOIGNITION TEMPERATURE (C): <b>&gt;400</b>	HAZARDOUS COMBUSTION PRODUCTS: <b>CARBON DIOXIDE, CARBON MONOXIDE, ALDEHYDES, (FORMALDEHYDE)</b>	
EXPLOSION DATA: <b>NOT APPLICABLE</b>	SENSITIVITY TO IMPACT: <b>NOT APPLICABLE</b>	SENSITIVITY TO STATIC DISCHARGE: <b>NOT SENSITIVE</b>

### SECTION 5--REACTIVITY DATA

<p>CHEMICAL STABILITY          YES: <b>X</b> NO: <b>IF NO, UNDER WHICH CONDITIONS?: MATERIAL IS STABLE AT STANDARD AMBIENT CONDITIONS</b></p>
<p>INCOMPATIBILITY WITH OTHER SUBSTANCES          YES: NO: <b>X IF SO, WHICH ONES?: THE PRODUCT IS COMAPTIBLE WITH MOST INDUSTRIAL MATERIALS.</b></p>
<p>REACTIVITY, AND UNDER WHAT CONDITIONS:  <b>THE MATERIAL WILL REACT WITH MINERAL ACIDS(HCL, HF, HNO3,H2SO4, ETC.) TO RELEASE CARBON DIOXIDE.</b></p>
<p>HAZARDOUS DECOMPOSITION PRODUCTS:  <b>AT HIGH TEMPERATURE, THE PRODUCT WILL DECOMPOSE INTO CARBON DIOXIDE, CARBON MONOXIDE, AND ALDEHYDES (FORMALDEHYDE).</b></p>

### SECTION 6--TOXICOLOGICAL PROPERTIES

<p>ROUTE OF ENTRY          INHALATION:N/A SKIN CONTACT: X SKIN ABSORPTION: N/A EYE CONTACT: X          INGESTION:X</p>			
<p>EFFECTS OF ACUTE EXPOSURE TO PRODUCT:  <b>DIRECT SKIN CONTACT WITH THE PRODUCT WILL NOT CAUSE SERIOUS INJURY, BUT PEOPLE WITH ALLERGIES MAY EXPERIENCE SLIGHT IRRITATION. DIRECT EYE CONTACT MAY CAUSE ABRASION AND IRRITATION OF EYE TISSUE.</b></p>			
<p>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:  <b>NO ILL EFFECTS ARE EXPECTED FROM CHRONIC EXPOSURE TO THE PRODUCT.</b></p>			
<p>EXPOSURE LIMITS:  <b>5 MG/M3 (NUISANCE DUST)</b></p>	<p>IRRITANCY OF PRODUCT:  <b>NOT IRRITATING (ONLY IN CASE OF ALLERGIES)</b></p>	<p>SENSATION TO PRODUCT:  <b>NOT SENSITIZING</b></p>	<p>CARCINOGENITY:  <b>NOT APPLICABLE</b></p>
<p>TERATOGENICITY:  <b>NOT APPLICABLE</b></p>	<p>REPRODUCTIVE TOXICITY: NOT APPLICABLE</p>	<p>MUTAGENICITY: NOT APPLICABLE</p>	<p>SYNERGISTIC PRODUCTS:  <b>NONE KNOWN</b></p>

### SECTION 7--PREVENTIVE MEASURES

<p>PERSONAL PROTECTIVE EQUIPMENT:</p>		
<p>GLOVE(SPECIFY):  <b>REGULAR WORKING GLOVES</b></p>	<p>RESPIRATOR (SPECIFY):  <b>NOT REQUIRED</b></p>	<p>EYE (SPECIFY):  <b>SAFETY GLASSES</b></p>
<p>FOOTWEAR(SPECIFY):  <b>WORKING SHOES(BOOTS)</b></p>	<p>CLOTHING (SPECIFY):  <b>REGULAR WORKING CLOTHING</b></p>	<p>OTHER (SPECIFY):</p>
<p>ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS):  <b>NONE REQUIRED</b></p>		
<p>LEAK AND SPILL PROCEDURE:  <b>GATHER SPILL PRODUCT FOR REUSE OR DISPOSAL</b></p>		
<p>WASTE DISPOSAL:  <b>DISPOSE THE WASTE PRODUCT THROUGH AN AUTHORIZED WASTE DISPOSAL AGENCY.</b></p>		
<p>HANDLING PROCEDURES AND EQUIPMENT:  <b>NO SPECIAL PROCEDURE REQUIRED TO HAND LE THE MATERIAL.</b></p>		
<p>STORAGE REQUIREMENTS:  <b>THE PRODUCT SHOULD BE STORED IN DRY PLACE-STORAGE CONDITION.</b></p>		
<p>SPECIAL SHIPPING INFORMATION:  <b>MATERIAL IS CHEMICALLY INERT - NON FLAMMABLE CLASS D/2</b></p>		

## SECTION 8--FIRST AID MEASURES

**SPECIFIC MEASURES:**

**SKIN - WASH WITH SOAP AND WATER**

**EYE - WASH WITH WATER FOR AT LEAST 15 MINUTES OR UNTIL THE ABRASIVENESS DISAPPEARS**

**INHALATION - PRODUCT IS DUST FREE - NO INHALATION CAN OCCUR**

**INGESTION - IN CASE OF INGESTION, DRINK PLENTY OF MILK AND LET NATURE TAKE ITS COURSE.**

**GENERAL ADVISE - PRACTICE GOOD HYGIENE.**

## SECTION 9--PREPARATION DATE OF MSDS

PREPARED BY : (GROUP, DEPARTMENT )	PHONE NUMBER: <b>905-459-9647</b>	DATE: <b>February 23, 2012</b>
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