



# MATERIAL SAFETY DATA SHEET

## DFE FLOOR TILE & GROUT CLEANER

### SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME: ROCHESTER MIDLAND CORPORATION  
 MANUFACTURERS ADDRESS: 155 PARAGON DRIVE, ROCHESTER, NY 14624, USA  
 EMERGENCY PHONE NUMBER: INFOTRAC 1-800-535-5053  
 SUPPLIER IDENTIFIER: ROCHESTER MIDLAND LIMITED  
 SUPPLIER'S ADDRESS: 143 MILLS ROAD, AJAX, ONTARIO  
 SUPPLIER EMERGENCY PHONE NUMBER: CANUTEC 613-996-6666  
 PRODUCT NAME: DFE FLOOR TILE & GROUT CLEANER  
 PRODUCT USE: BIOLOGICAL BASED FLOOR TILE AND GROUT CLEANER  
 WHMIS CATEGORY: D2B  
 PREPARED BY: ROCHESTER MIDLAND LIMITED.  
 PHONE NUMBER OF PREPARER: (905) 847-3000  
 DATE PREPARED: JULY 29, 2014



### SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
NO HAZARDOUS COMPONENTS LISTED ON THE WHMIS INGREDIENT DISCLOSURE LIST					
OTHER INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
VIAIBLE BACTERIAL CULTURES	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

### SECTION 03: HAZARDS IDENTIFICATION

#### POTENTIAL ACUTE HEALTH EFFECTS:

ROUTE OF ENTRY: EYES, SKIN, INHALATION, INGESTION  
 SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION. ORGANISMS USED ARE NON-PATHOGENIC BUT MAY CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY -USED ANTIBIOTICS.  
 SKIN ABSORPTION: NONE EXPECTED WHEN USED AS DIRECTED.  
 EYE: DIRECT CONTACT MAY CAUSE IRRITATION.  
 INHALATION: DIRECT INHALATION OF SPRAY MIST MAY CAUSE IRRITATION.  
 INGESTION: SMALL AMOUNTS OR SINGLE DOSE SHOULD HAVE LITTLE OR NO TOXIC EFFECT. MAY CAUSE IRRITATION, NAUSEA, DIARRHEA AND VOMITING. NOT A LIKELY ROUTE OF ENTRY WHEN USED AS DIRECTED.  
 ACUTE OVER EXPOSURE EFFECTS: AS ABOVE.  
 CHRONIC OVER EXPOSURE EFFECTS: NONE KNOWN

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## SECTION 04: FIRST AID MEASURES

**EYES:** FLUSH EYES WITH ABUNDANT WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN TO ENSURE COMPLETE IRRIGATION OF THE ENTIRE EYE CAVITY. GET MEDICAL ATTENTION.

**SKIN:** WASH SKIN WITH SOAP AND ABUNDANT WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION. ORGANISMS USED ARE NON-PATHOGENIC BUT MAY CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY -USED ANTIBIOTICS.

**INHALATION:** REMOVE VICTIM TO FRESH AIR. ASSIST BREATHING AS NEEDED. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

**INGESTION:** **DO NOT INDUCE VOMITING.** IF VICTIM CONSCIOUS, GIVE 1 - 2 GLASSES OF WATER TO DILUTE STOMACH CONTENTS. **GET MEDICAL ATTENTION.** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**NOTES TO PHYSICIAN:** ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS/SYMPTOMS OF DISTRESS IN THE PATIENT. THE POSSIBILITY OF OVEREXPOSURE TO MATERIALS OTHER THAN THIS PRODUCT SHOULD BE CONSIDERED.

## SECTION 05: FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD OF DETERMINATION:** NONE (TCC)

**UPPER EXPLOSION LIMIT (% BY VOLUME):** NOT AVAILABLE

**LOWER EXPLOSION LIMIT (% BY VOLUME):** NOT AVAILABLE

**AUTO-IGNITION TEMPERATURE:** NOT AVAILABLE

**FLAMMABILITY CLASSIFICATION:** NON-FLAMMABLE

**CONDITIONS OF FLAMMABILITY:** NONE.

**MEANS OF EXTINCTION:** USE WATER SPRAY, DRY CHEMICAL OR FOAM.

**SPECIAL FIRE FIGHTING PROCEDURES:** FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE EQUIPMENT AND USE APPROVED SELF CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE RUPTURE. DO NOT SPATTER OR SPLASH PRODUCT. DIKE TO CONTAIN WATER USED IN FIGHTING FIRE. DO NOT ALLOW THIS WATER INTO OPEN WATERWAYS OR SEWERS

**HAZARDOUS COMBUSTION PRODUCTS:** OXIDES OF CARBON AND NITROGEN.

**EXPLOSION DATA:** NOT APPLICABLE.

**SENSITIVITY TO STATIC DISCHARGE:** NOT SENSITIVE.

**SENSITIVITY TO MECHANICAL IMPACT:** NOT SENSITIVE

## SECTION 06: ACCIDENTAL RELEASE MEASURES

**LEAK AND SPILL PROCEDURES:** REMOVE UNPROTECTED PERSONNEL AWAY FROM SPILL AREA. CLEANUP PERSONNEL MUST WEAR APPROPRIATE PROTECTIVE EQUIPMENT AS OUTLINED IN PERSONAL PROTECTION SECTION. VENTILATE AREA. CAUTION: SPILL AREA MAY BE SLIPPERY.

**SMALL SPILLS:** MOP UP AND PLACE IN SUITABLE CONTAINERS FOR DISPOSAL. FLUSH AREA WITH WATER.

**LARGE SPILLS:** DIKE SPILL. RECLAIM ALL MATERIAL POSSIBLE. ABSORB REMAINDER WITH INERT MATERIAL AND PLACE IN SUITABLE CONTAINERS FOR DISPOSAL. FLUSH RESIDUE WITH WATER. CLEAN SPILL AREA WITH DETERGENT AND WATER.

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## SECTION 07: HANDLING AND STORAGE

### HANDLING PROCEDURES

AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN OR CLOTHING. EXCESSIVE, INTENTIONAL INHALATION OF SPRAY MISTS SHOULD BE AVOIDED. WASH SKIN THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT CONTAMINATE FOOD, WATER OR ANIMAL FEED DURING USE OR STORAGE OF THIS PRODUCT. READ AND FOLLOW LABEL INSTRUCTIONS.

### STORAGE

REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE INDOORS IN A COOL WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS AND DIRECT SUNLIGHT. KEEP FROM FREEZING (MIN 4.4 °C MAX 40.5 °C (40-105 °F)). AVOID PROLONGED EXPOSURES TO TEMPERATURE EXTREMES TO MAINTAIN SHELF LIFE. KEEP OUT OF REACH OF CHILDREN.

## SECTION 08: EXPOSURE CONTROLS/ PERSONAL PROTECTION

EYE PROTECTION: WEAR CHEMICAL SAFETY GLASSES.

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED. IF PRODUCT IS USED IN SUCH A WAY TO CAUSE IRRITATION, USE NIOSH APPROVED RESPIRATOR.

GLOVES: WEAR NITRILE GLOVES.

OTHER PROTECTIVE

EQUIPMENT: AS NEEDED TO PREVENT ALL CONTACT WITH PRODUCT.

SPECIFIC ENGINEERING

CONTROLS: LOCAL EXHAUST SHOULD BE SUFFICIENT. IF PRODUCT IS USED IN A MANNER TO GENERATE MISTS, MECHANICAL EXHAUST MAY BE RECOMMENDED.

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOUR AND APPEARANCE: MILD ODOUR, HAZY WHITE LIQUID.

ODOUR THRESHOLD: NOT AVAILABLE

SPECIFIC GRAVITY: 0.99-1.01

VAPOUR PRESSURE : AS WATER

VAPOUR DENSITY (AIR=1): AS WATER

VOC CONTENT (%): 0.15-0.35 (EPA METHOD 24)

EVAPORATION RATE; AS WATER

BOILING POINT; 100 °C ( 212 ° F )

PH: 6.5-8.5

FREEZING POINT: 0 °C (32 °F) ( VIABLE BACTERIAL CULTURES WILL DIE AT LOW TEMPERATURES <4 °C.)

DENSITY (g/ml): 0.99-1.01

COEFFICIENT OF WATER/OIL  
DISTRIBUTION:

COMPLETELY WATER SOLUBLE

## SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE WHEN USED AND STORED AS DIRECTED. (4 - 40.5 °C). AVOID TEMPERATURE EXTREMES.

INCOMPATIBLE MATERIALS: STRONG ACID AND ALKALIS MAY INACTIVATE ENZYMES.

CONDITIONS OF REACTIVITY: AVOID TEMPERATURE EXTREMES AS VIABLE BACTERIAL CULTURES MAY BE AFFECTED.

HAZARDOUS DECOMPOSITION  
PRODUCTS:

OXIDES OF CARBON AND NITROGEN.

## SECTION 11: TOXICOLOGICAL INFORMATION

IRRITANCY OF PRODUCT: MINIMAL IRRITANT

SENSITIZATION TO

MATERIAL: NOT AVAILABLE

CARCINOGENICITY,: NO KNOWN CARCINOGENS LISTED BY OSHA, IARC OR NTP.

REPRODUCTIVE EFFECTS: NO KNOWN REPRODUCTIVE EFFECTS.

TERATOGENICITY: NOT AVAILABLE

MUTAGENICITY: NOT AVAILABLE

TOXICOLOGICALLY

SYNERGISTIC PRODUCTS: NOT AVAILABLE

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## SECTION 12: ECOLOGICAL INFORMATION

THERE IS NO ECOLOGICAL INFORMATION AVAILABLE FOR PRODUCT. ECOTOXICOLOGICAL INFORMATION TO FOLLOW IS BASED LARGELY OR COMPLETELY ON INFORMATION FOR COMPONENTS.

ACUTE AQUATIC TOXICITY:

FISH SPECIES DATA:	NOT AVAILABLE
INVERTEBRATES:	NOT AVAILABLE
MICROORGANISMS:	NOT AVAILABLE
(GROWTH INHIBITION) PLANTS:	NOT AVAILABLE

BIODEGRADABILITY: PRODUCT IS READILY BIODEGRADABLE

MOBILITY: NOT AVAILABLE

PERSISTENCE: NOT AVAILABLE

BIOACCUMULATIVE: NOT AVAILABLE

CHEMICAL FATE INFORMATION: NOT AVAILABLE

OTHER INFORMATION: NOT AVAILABLE.

## SECTION 13: DISPOSAL CONSIDERATIONS

IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

## SECTION 14: TRANSPORT INFORMATION

TDG : NOT REGULATED UNDER TDG

ADDITIONAL INFORMATION: NOT AVAILABLE

MARINE POLLUTANT: NO

## SECTION 15: REGULATORY INFORMATION

DSL STATUS: LISTED

HMIS CLASSIFICATION (H, F, R, PE): 1,0,0, B

WHMIS CLASSIFICATION: D2B

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR ( CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

## SECTION 16: OTHER INFORMATION

DISCLAIMER: THIS INFORMATION WAS COMPILED FROM CURRENT, RELIABLE SOURCES AND IS BELIEVED TO BE CORRECT. AS DATA AND/ OR REGULATIONS CHANGE, AND CONDITIONS OF USE ARE BEYOND OUR CONTROL, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.