

MATERIAL SAFETY DATA SHEET

Abbreviations used on this Material Safety Data Sheet:

N/av. = Not available, N/ap. = Not applicable, ppm = parts per million, TLV = Threshold Limit Value.

NFPA Hazard Rating: 4 - Extreme, 3 - High, 2 - Moderate, 1- Slight, 0- None, X - Blank

WHMIS HAZARD: SLIGHT

NFPA HAZARD RATING: NONE

HEALTH - 1 , FLAMMABILITY - 0 , REACTIVITY - 1

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER:	DECA TILE & GROUT			
PRODUCT USE:	TILE & GROUT CLEANER			
MANUFACTURER'S NAME:	CHEM-TECH INDUSTRIES LTD.		SUPPLIER'S NAME:	
STREET ADDRESS:	3640 Weston Road Unit 12		STREET ADDRESS:	
CITY: TORONTO	PROVINCE/ STATE: ON	CITY:		PROVINCE:
POSTAL CODE: M9L 1W2	EMERGENCY TELEPHONE:	1-800-535-5053	POSTAL CODE:	EMERGENCY TELEPHONE:

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LETHAL DOSE (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LETHAL CONCENTRATION (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
PHOSPHORIC ACID (FOOD GRADE)	11	7664-38-2	9000 MG/KG (ORAL, RAT)	N/AV
CITRIC ACID (FOOD GRADE)	5.7	77-92-9	N/AP	N/AP
MALIC ACID (FOOD GRADE)	4	6915-15-7	N/AP	N/AP
C9-C11LINEAR PRIMARY ALCOHOL ETHOXYLATE	0.35	68439-46-3	1400 MG/KG (ORAL, RAT)	N/AV
POTASSIUM HYDROXIDE	0.3	1310-58-3	365 MG/KG (ORAL, RAT)	N/AV
2-PROPANOL 1-PROPOXY/n-PROPOXYPROPANOL (glycol ether PNP)	1.65	1569-01-3	2920 MG/KG (ORAL, RAT)	N/AV
WATER	77	7732-18	N/AV	N/AV

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: LIQUID	ODOUR AND APPEARANCE: LIGHT GREEN ODORLESS LIQUID			THRESHOLD ODOUR (ppm): N/AP
VAPOUR PRESSURE: 8.2 (mm Hg)	VAPOUR DENSITY: N/AV (Air = 1)	EVAPORATION RATE: N/AV (n-Butyl acetate = 1)	BOILING POINT: >100°C	FREEZING POINT: <0°C
pH: 1.1±0.5	SPECIFIC GRAVITY: 1.3 (Water = 1)	COEFFICIENT OF WATER/OIL DISTRIBUTION: N/AP		

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHICH CONDITIONS? YES NO X				
MEANS OF EXTINCTION: AS FOR SURROUNDING FIRE				
SPECIAL PROCEDURES: NORMAL FIRE FIGHTING PROCEDURE				
FLASHPOINT AND METHOD: NONE	UPPER FLAMMABILITY LIMIT: (% BY VOLUME) N/AP	LOWER FLAMMABILITY LIMIT: (% BY VOLUME) N/AP		
AUTOIGNITION TEMPERATURE: N/AV	HAZARDOUS COMBUSTION PRODUCTS: CAN REACT WITH METALS TO PRODUCE HYDROGEN GAS WHICH IS FLAMMABLE			
EXPLOSION DATA: NO			SENSITIVITY TO STATIC DISCHARGE: N/AV	

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY IF NO, UNDER WHICH CONDITIONS? YES X NO	
INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES? YES X NO ALKALIS; REACTIVE METALS, BLEACH, AMMONIA	
REACTIVITY, AND UNDER WHAT CONDITIONS? FLAMMABLE HYDROGEN GAS MAY BE PRODUCED ON CONTACT WITH METALS SUCH AS ALUMINUM, TIN, LEAD, ZINC.	
HAZARDOUS DECOMPOSITION PRODUCTS: NONE	

PRODUCT IDENTIFIER: **DECA TILE & GROUT**

SECTION 6 -TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT **X** SKIN ABSORPTION EYE CONTACT **X** INHALATION INGESTION **X**

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

SLIGHTLY TOXIC ON SKIN; CORROSIVE UPON EYE CONTACT

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

MAY CAUSE BURNS TO EXPOSED TISSUE

EXPOSURE LIMITS: SLIGHTLY TOXIC ORALLY/ SKIN	IRRITANCY OF PRODUCT: CONTACT WITH EYES/SKIN	SENSITIZATION TO PRODUCT: N/AV	CARCINOGENICITY: NO
TERATOGENICITY: N/AV	REPRODUCTIVE TOXICITY: N/AV	MUTAGENICITY: NO GENETIC CHANGE IN STANDARD TEST USING BACTERIAL CELLS.	SYNERGISTIC PRODUCTS: N/AV

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY): NEOPRENE OR RUBBER	RESPIRATOR (SPECIFY): N/AP	EYE (SPECIFY): SAFETY GLASSES OR GOGGLES
FOOTWEAR (SPECIFY): IMPERVIOUS	CLOTHING (SPECIFY): NO	OTHER (SPECIFY): NONE

ENGINEERING CONTROLS (SPECIFY, VENTILATION, ENCLOSED PROCESS):

LOCAL EXHAUST IN AREAS WHERE DUSTY OR MISTY CONDITIONS PREVAIL

LEAK AND SPILL PROCEDURE:

USE APPROPRIATE SAFETY EQUIPMENT, DIKE AREA, COLLECT FOR DISPOSAL

WASTE DISPOSAL:

IN ACCORDANCE TO LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES.

HANDLING PROCEDURES AND EQUIPMENT:

AVOID CONTACT WITH METALS, WEAR IMPERVIOUS CLOTHING, USE ADEQUATE VENTILATION

STORAGE REQUIREMENTS:

COOL; DRY; WELL VENTILATED AREA

SPECIAL SHIPPING INFORMATION:

KEEP FROM FREEZING: NORMAL PROCEDURES

TDG. UN NUMBER

N/AP

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES:

EYE CONTACT: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION: RINSE MOUTH WITH WATER; DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY: CHEM-TECH INDUSTRIES LTD.	PHONE NUMBER: (416) 450-8324	DATE: April 2011
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