

# MATERIAL SAFETY DATA SHEET

## SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:  
MULTI-BLEND LTD.  
2720 SLOUGH STREET  
MISSISSAUGA,  
ONTARIO L4T 1G3  
EMERGENCY- CANTEC: 613-996-6666

PRODUCT NAME: **TILE BRITE**  
CHEMICAL NAME: NA  
CHEMICAL FAMILY: ACID CLEANERS  
PRODUCT USE: ACID CLEANER

## SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50) inhalation rat
PHOSPHORIC ACID	15-40	7664-38-2	1250 mg/kg	25.5mg/M <sup>3</sup>
SULPHURIC ACID	3-7	7664-93-9	2140 mg/kg	510 mg/m <sup>3</sup> /2 hour

## SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID, SEMI VISCOUS  
ODOUR AND APPEARANCE.....SPEARMINT ODOUR, OPAQUE  
LIQUID  
ODOUR THRESHOLD.....ND  
SPECIFIC GRAVITY.....1.05 +/- .05  
VAPOUR PRESSURE.....ND  
VAPOUR DENSITY(AIR=1).....ND  
EVAPORATION RATE.....< 1  
SOLUBILITY IN WATER.....COMPLETE  
BOILING POINT.....98 DEG. C  
PH.....10% SOLUTION <2  
COEFF. WATER/OIL DISTR.....NA

## SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NONE  
EXTINGUISHING MEDIA.....WATER OR SUITABLE AGENT FOR  
ADJACENT FIRES  
SPECIAL PROCEDURES.....KEEP CONTAINERS COOL BY  
WATER SPRAY USE SELF CONTAINED BREATHING APPARATUS.  
FLASH POINT (DEG)C.....NA  
HAZARDOUS COMBUSTION PRODUCTS..HYDROGEN FLOURIDE  
GAS, PHOSPHORIC OXIDE AND HYDROGEN GAS MAY EVOLVE  
WHEN IN CONTACT WITH METAL.  
UPPER FLAMMABLE LIMIT.....ND  
LOWER FLAMMABLE LIMIT.....ND  
AUTO IGNITION TEMP.....ND  
EXPLOSION DATA.....NA  
SENSITIVITY TO STATIC CHARGE...ND

## SECTION V REACTIVITY DATA

CHEMICAL STABILITY.....NORMALLY STABLE  
CONDITIONS TO AVOID.....HIGH TEMPERATURES  
INCOMPATIBLE SUBSTANCES.....STRONG ALKALIES AND  
OXIDIZERS  
HAZARDOUS DECOMPOSITION.....SAME AS COMBUSTION  
HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR

## SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY  
SKIN CONTACT.....YES SKIN ABSORPTION..YES  
EYE CONTACT.....YES INHALATION.....YES  
INGESTION.....YES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL: IRRITATION TO

RESPIRATORY SYSTEM AND EYES. POISONOUS AND CORROSIVE  
EFFECT TO SKIN.  
EFFECTS OF CHRONIC EXPOSURE: BONE & JOINT CHANGES IN  
HUMANS(FLUOROSIS)  
EXPOSURE LIMITS.. ACGIH TWA 0.2 mg/M<sup>3</sup> FOR SULPHURIC ACID  
ACGIH TWA 1 mg/M<sup>3</sup> FOR PHOSPHORIC ACID  
IRRITANCY OF MATERIAL.....MODERATE  
SENSITIZATION TO MATERIAL.....ND  
CARCINOGENICITY.....ND  
REPRODUCTIVE TOXICITY.....ND  
TERATOGENICITY.....ND  
MUTAGENICITY.....ND  
SYNERGISTIC PRODUCTS.....ND

## SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....RUBBER OR PVC  
EYE PROTECTION.....GOGGLES  
RESPIRATORY PROTECTION.....NIOSH APPROVED IF NO  
VENTILATION AVAILABLE  
FOOT WEAR.....CHEMICAL RESISTANT  
CLOTHING.....RUBBER APRON IF POSSIBLE SPLASHING  
OCCURS  
ENGINEERING CONTROLS.....NORMAL VENTILLATION

LEAK AND SPILL PROCEDURE.....SMALL SPILLS MAY BE  
NEUTRALIZED WITH LARGE AMOUNTS OF WATER. LARGER SPILLS:  
CONTAIN AND TRANSFER TO A NON METAL CONTAINER, AREA CAN  
BE NEUTRALIZED WITH SODA ASH AND RINSED.  
WASTE DISPOSAL.....IN ACCORDANCE WITH LOCAL  
REGULATIONS  
HANDLING PROCEDURES AND EQUIPMENT..HANDLE AS WITH ANY  
OTHER ACID PRODUCT  
STORAGE REQUIREMENTS.....COOL DRY AREA

## SECTION VIII FIRST AID MEASURES

PROCEDURES:SKIN; REMOVE CONTAMINATED CLOTHING. FLUSH  
WITH WATER, IF IRRITATION PERSIST SEEK MEDICAL ATTENTION.  
EYES; FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15  
MINUTES, IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.  
INHALTION; REMOVE TO FRESH AIR SEEK MEDICAL ADVICE.  
INGESTION; DRINK LOTS OF WATER MILK IF AVAILABLE, SEEK  
MEDICAL ATTENTION IMMEDIATELY.

## ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...CLASS E CLASS D DIV 2 B  
TDG CLASSIFICATION.....CLASS 8  
SHIPPING NAME....CORROSIVE LIQUID N.O.S.(PHOSPHORIC ACID)  
PIN.....UN 1760  
PACKING GROUP.....III  
HAZARD RATING: HEALTH:1 FIRE:0 REACTIVITY:0 SPECIAL:

HAZARD RATING SCALE: 0=MINIMAL, 1=SLIGHT, 2=MODERATE,  
3=SERIOUS, 4=SEVERE.  
NA=NOT APPLICABLE, ND=NO DATA AVAILABLE, NE=NOT  
ESTABLISHED, NR NOT REGULATED.

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