

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: MULTI-BLEND LTD. SUPPLIER:
2720 SLOUGH STREET
MISSISSAUGA
ONTARIO L4T 1G3

PRODUCT NAME: **DESCALE**
CHEMICAL NAME: NA
CHEMICAL FAMILY: ACID CLEANERS
PRODUCT USE: DESCALING

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50)
PHOSPHORIC ACID	40-70	7664-38-2	1520 MG/KG	ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEARANCE.....SLIGHT ACIDIC ODOUR, GREEN LIQUID
ODOUR THRESHOLD.....ND
SPECIFIC GRAVITY.....1.1 +/- .05
VAPOUR PRESSURE.....ND
VAPOUR DENSITY(AIR=1).....ND
EVAPORATION RATE.....< 1
SOLUBILITY IN WATER.....COMPLETE
BOILING POINT.....100 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 FLUORIDE 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.....ND
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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