

# MATERIAL SAFETY DATA SHEET

## SECTION I PRODUCT IDENTIFICATION

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

PRODUCT NAME: **PEROX 20**  
CHEMICAL NAME: HYDROGEN PEROXIDE  
CHEMICAL FAMILY: NA  
PRODUCT USE: CLEANING AND BLEACHING

## SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC. %	CAS NO.	LD(50) (RAT ORAL)	LC(50) Oral Rat
HYDROGEN PEROXIDE	10-20	7722-84-1	1193 mg/Kg	>0.17 mg/L/4h

## SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID  
ODOR AND APPEARANCE.....PUNGENT ODOUR AND CLEAR  
ODOR THRESHOLD.....ND  
SPECIFIC GRAVITY.....1.24- 1.3  
VAPOR PRESSURE.....ND  
VAPOR DENSITY(AIR=1).....ND  
EVAPORATION RATE.....ND  
SOLUBILITY IN WATER.....COMPLETE  
BOILING POINT.....119 -127 DEG C  
PH.....<3.0  
COEFF. WATER/OIL DISTR....NA

## SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NONE  
EXTINGUISHING MEDIA.....WATER ONLY. DO NOT USE CO 2  
HAZARDOUS COMBUSTION PRODUCTS..NONE KNOWN  
SPECIAL PROCEDURES..WEAR FULL PROTECTIVE GEAR, INCLUDING  
CHEMICAL SPLASH PROTECTION AND SELF CONTAINED BREATHING  
APPARATUS.  
FLASH POINT (DEG)C.....NONE  
UPPER FLAMMABLE LIMIT.....NONE  
LOWER FLAMMABLE LIMIT.....> 40% BY WT.  
AUTO IGNITION TEMP.....NONE  
EXPLOSION DATA.....NONE  
SENSITIVITY TO STATIC CHARGE...NONE

## SECTION V REACTIVITY DATA

CHEMICAL STABILITY.....NO  
CONDITIONS TO AVOID.....HEAT AND CONTAMINATION  
INCOMPATIBLE SUBSTANCES.....MOST FLAMMABLES PLUS CYANIDES,  
NITRIC ACID, POTASSIUM PERMANGANATS AND OTHER OXIDISING AND  
REDUCING AGENTS.  
HAZARDOUS DECOMPOSITION PRODUCTS.....NONE

## SECTION VI TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
INGESTION CAN CAUSE BURNS OF THE GASTROINTESTINAL TRACT.  
ASPIRATION MAY RESULT IN LUNG INJURY.  
SKIN CONTACT MAY CAUSE IRRITATION AND BLEACHING OF THE SKIN.  
EYE CONTACT MAY CAUSE CONJUNCTIVITIS, CORNEAL BURNS AND  
PERMANENT DAMAGE. SYMPTOMS MAY OCCUR WITH SOME DELAY.  
INHALATION: CAUSES SEVERE RESPIRATORY IRRITATION. VAPOURS MAY  
CAUSE PULMONARY EDEMA. TOXIC EFFECTS MAY OCCUR WITH DELAY.  
EFFECTS OF CHRONIC EXPOSURE:  
PROLONGED EXPOSURE BY SKIN CONTACT: CORROSIVE. MAY CAUSE BURNS  
RESULTING IN PERMANENT DAMAGE. MAY CAUSE SEVERE IRRITATION AND  
WHITE DISCOLORATION. MAY RESULT IN LOCALIZED ERYTHEMA (REDNESS)

OR EVEN BLISTERING OF THE SKIN.  
INGESTION: HIGH CONCENTRATIONS CAUSES RAPID RELEASE OF OXYGEN,  
WHICH MAY EXPAND THE ESOPHAGUS OR STOMACH RESULTING IN SEVERE  
INJURY.(BLEEDING, ULCERATION OR PERFORATION). WILL CAUSE BURNS TO  
THE GASTROINTESTINAL TRACT.  
EXPOSURE LIMITS.....NONE KNOWN  
IRRITANCY OF MATERIAL.....SEVERE  
SENSITIZATION TO MATERIAL.....NONE KNOWN  
CARCINOGENICITY.....NONE KNOWN  
REPRODUCTIVE TOXICITY.....NONE KNOWN  
TERATOGENICITY.....NONE KNOWN

## SECTION VII PREVENTIVE MEASURES

HAND PROTECTION...CHEMICAL RESISTANT GLOVES  
EYE PROTECTION.: CHEMICAL GOGGLES AND SAFETY SHIELD  
RESPIRATORY PROTECTION.....NIOSH APPROVED RESPIRATOR IF  
EXPOSURE EXCEEDS LIMITS ACGIH = 1PPM TWA  
FOOT WEAR.....AS REQUIRED BY GOOD HYGEINE  
CLOTHING: PROTECTIVE CLOTHING TO AVOID SKIN CONTACT  
ENGINEERING CONTROLS: MAINTAIN LOCAL VENTILATION TO KEEP  
AIRBORNE LEVEL BELOW EXPOSURE LIMIT.  
LEAK AND SPILL PROCEDURE.....RESTRICT ACCESS. CONTROL SPILL IF  
SAFE TO DO SO. SMALL SPILLS FLUSH AREA WITH WATER. LARGE SPILLS  
DYKE AND USE ABSORBENT MATERIAL SUCH AS CLAY. PLACE IN SUITABLE  
CONTAINER FOR DISPOSAL.  
WASH AREA WITH WATER. SPONTANEOUS COMBUSTIBLE PRODUCT: ENSURE  
ALL MATERIALS EXPOSED TO PRODUCT BE IMMEDIATELY SUBMERGED OR  
RNSD WITH LARGE AMOUNTS OF WATER.  
WASTE DISPOSAL.:DISPOSE IN ACCORDANCE WITH LOCAL AUTHORITIES.  
HANDLING PROCEDURES AND EQUIPMENT..HANDLE WITH NORMAL CARE  
USED WHEN HANDLING CHEMICALS  
STORAGE REQUIREMENTS.....STORE IN A COOL DRY PLACE. KEEP AWAY  
FROM CHILDREN. STORE IN A VENTED CONTAINER AS BURSTING DUE TO  
DECOMPOSITION IN CONFINED SPACES IS POSSIBLE.

## SECTION VIII FIRST AID MEASURES

PROCEDURES:  
SKIN: FLUSH WITH WATER FOR 10 MINUTES. IF IRRITATION PERSISTS,SEEK MEDICAL  
ATTENTION. WASH CONTAMINATED CLOTHING IMMEDIATELY AND LAUNDER BEFORE  
REUSE.  
EYES: FLUSH WITH COOL RUNNING WATER FOR 15 MINUTES, HOLDING EYELIDS  
APART TO ENSURE THOROUGH RINSING.SEEK MEDICAL ATTENTION IMMEDIATELY.  
INHALATION: MOVE TO FRESH AIR, SUPPORT BREATHING IF NECESSARY. IF NOT  
BREATHING GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER. DO NOT  
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. SEEK  
MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCCURS SPONTANEOUSLY, KEEP  
HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS.

## ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...CLASS C, E, CLASS D 1B  
TDG CLASSIFICATION: CLASS 5.1  
TDG SHIPPING NAME.....HYDROGEN PEROXIDE AQUEOUS SOLN.  
PIN.....UN 2984 PACKING GROUP.....III  
HAZARD RATING: HEALTH:3 FIRE:0 REACTIVITY:3 SPECIAL:0  
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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