

# 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  
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) Inhalation Rat
HYDROGEN PEROXIDE	10-15	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 Exposure Hazards:** Strong oxidizer. Contact with combustible materials may cause a fire. Release of oxygen may support combustion. Contact with incompatible materials (e.g. metals, alkalis and reducing agents) will cause hazardous decomposition resulting in the release of large quantities of heat, steam and oxygen gas. Exposure to heat may cause hazardous decomposition. A severe detonation hazard may exist when mixed with organic liquids, e.g. kerosene or gasoline. Isolate and restrict area access. Fight fire from a safe distance and from a protected location. Stay upwind. Stop leak only if safe to do so. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure build-up which could result in container rupture.  
FLASH POINT (DEG)C.....NONE  
UPPER FLAMMABLE LIMIT.....NONE  
LOWER FLAMMABLE LIMIT.....ND  
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..... ACGIH = 1PPM TWA  
IRRITANCY OF MATERIAL.....SEVERE TERATOGENICITY...NONE KNOWN  
SENSITIZATION TO MATERIAL.....NONE KNOWN  
CARCINOGENICITY...NONE KNOWN REPRODUCTIVE TOXICITY.....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  
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 (8)  
TDG SHIPPING NAME.....HYDROGEN PEROXIDE AQUEOUS SOLN.  
PIN.....UN 2014 PACKING GROUP.....II  
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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