

# MATERIAL SAFETY DATA SHEET

## SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:  
Multi-Blend Ltd.  
2720 Slough Street  
Mississauga Ontario L4T 1G3

EMERGENCY TEL: CANUTEC 613-996-6666

PRODUCT NAME: **SANITIZER DESTAINER**

CHEMICAL NAME: SODIUM HYPOCHLORITE

CHEMICAL FAMILY: CHLORINE

PRODUCT USE: Sanitizer

## SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC. %	CAS NO.	LD(50)	LC(50) (RAT)
Sodium Hypochlorite	12-14	7681-52-9	ND	293 PPM For 1 Hour

## SECTION III PHYSICAL DATA

PHYSICAL STATE.....Liquid  
ODOUR AND APPEARANCE....chlorine odour, green -yellow liquid  
ODOUR THRESHOLD.....ND  
SPECIFIC GRAVITY.....ND  
VAPOUR PRESSURE.....17.5 MmhG AT 20 deg C  
VAPOUR DENSITY(air=1).....ND  
EVAPORATION RATE.....ND  
SOLUBILITY IN WATER.....(20 deg C) Complete  
BOILING POINT...Slowly decomposes at 40 C to NaCl and NaClO3  
pH.....12.5 - 13.5  
COEFF. WATER/OIL DISTR.....ND

## SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....Non-Flammable  
EXTINGUISHING MEDIA.....As for surrounding materials  
HAZARDOUS COMBUSTION PRODUCTS..traces of chlorine  
SPECIAL PROCEDURES.....Full protection equipment, including a self contained breathing apparatus should be worn. Remove storage vessels from fire zone if possible. Use water spray to cool containers.  
FLASH POINT (DEG)C.....NA  
UPPER FLAMMABLE LIMIT...NA LOWER FLAMMABLE LIMIT...NA  
AUTO IGNITION TEMP.....NA  
EXPLOSION DATA.....NA  
SENSITIVITY TO STATIC CHARGE...ND

## SECTION V REACTIVITY DATA

CHEMICAL STABILITY.....Unstable above 40 C, sunlight and contact with metals.  
CONDITIONS TO AVOID.....Temperatures above 40 C  
INCOMPATIBLE SUBSTANCES.....Strong acids, ammonia, strong oxidizing agents, may react with aluminium to form hydrogen.  
HAZARDOUS DECOMPOSITION.....None known  
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:

Eyes: Contact may cause severe irritation, ulceration of eyes, permanent visual damage may occur.  
Skin: Contact may cause irritation, burns and blisters. Prolonged contact may bleach skin or cause dermatitis.  
Inhalation: Prolonged exposure can cause irritation of eyes, nose, throat, and respiratory tract.

Ingestion: May cause irritation and burning of the lips, mouth, throat, respiratory tract, oesophagus, nausea, vomiting, abdominal pain, diarrhoea, edema and subsequent suffocation, perforation of gastrointestinal tract.

EFFECTS OF CHRONIC EXPOSURE: ND

EXPOSURE LIMITS.....See Section II

IRRITANCY OF MATERIAL.....Moderate

SENSITIZATION TO MATERIAL.....ND

CARCINOGENICITY.....None known.

REPRODUCTIVE TOXICITY.....None known.

TERATOGENICITY.....None known. MUTAGENICITY....None known.

SYNERGISTIC PRODUCTS.....None Known

## SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....Rubber or vinyl gloves when handling

EYE PROTECTION....Chemical goggles or face shield.

RESPIRATORY PROTECTION.....NIOSH approved respirator with Chlorine cartridges

FOOT WEAR.....Impermeable CLOTHING.....Rubber apron

ENGINEERING CONTROLS.....Local exhaust ventilation

LEAK AND SPILL PROCEDURE.....Ventilate area. Dyke area and contain spill. Absorb using inert material. (Sand). For recovery pump into polyethylene container. Very small spills flush into sewer with large volumes of water.

WASTE DISPOSAL.....Dispose in accordance with local, provincial and federal regulations

HANDLING PROCEDURES AND EQUIPMENT..Avoid contact with eyes, skin or clothes. Wash thoroughly after handling.

STORAGE REQUIREMENTS.....Store in a cool dry area. Keep away from acids and incompatibles. Do not freeze.

## SECTION VIII FIRST AID MEASURES

Eyes: Flush with running water for 15 minutes, holding eyelids open. Get medical attention immediately

Skin: Remove contaminated clothing and flush skin with running water for 15 minutes. Seek medical attention immediately. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air, give artificial respiration ONLY if breathing has stopped. Get medical attention.

Ingestion: If swallowed DO NOT INDUCE VOMITING. Rinse mouth and give 1-2 glasses of water. If vomiting occurs give fluids again. Get immediate medical attention. Do not give anything to an unconscious patient.

## ADDITIONAL INFORMATION

WHMIS CLASSIFICATION....CLASS E , Class D div 2 B

TDG CLASSIFICATION.....Class 8

SHIPPING NAME:...HYPOCHLORITE SOLUTION 12% available chlorine

PIN.....UN 1791 PACKING GROUP.....III

HAZARD RATING: HEALTH:2 FIRE:0 REACTIVITY:1 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.

PREPARED BY: LAB GROUP DATE: August 1, 2008  
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