

SPRAKITA PRODUCTS

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SECTION I - PRODUCT INFORMATION

Product Name: **CHLORINE SANITIZER** Trade Name: SAME AS PRODUCT NAME

Chemical Name: NOT APPLICABLE Chemical Formula: NOT APPLICABLE

Chemical Family: COMPLEX MIXTURE Molecular Weight: NOT APPLICABLE

Product Use: DISHWASHING / GLASSWASHING SANITIZER

In case of Emergency Call: 1-613-996-6666 CANUTEC

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APROX. CON. (%)	CAS REGISTRY NUMBER	LD/50 (RTE/SPEC)	LC50 (RTE/SPEC)
SODIUM HYPOCHLORITE	7-12	781-52-9	8200 mg/kg (Rat)	N/AV

SECTION III - PHYSICAL DATA

Physical State: LIQUID

Specific Gravity: 1.65

Odour Threshold: N/AV

Evaporation Rate: N/AV

Boiling Point: DECOMPOSES SLOWLY AT 40°C TO NaCl AND NaClO₃

Freezing Point: -25°C

Ph (% Solution): 11.5-13

Vapour Density (mmHg @ 20°C): 17.5 mmHg

Vapour Pressure(mmHg): 17.5 mmHg AT 20°C

% Volatile: N/AV

Coefficient of Water/Oil Distribution: N/AV

Odour and Appearance: CLEAR GREENISH-YELLOW AQUEOUS SOLUTION HAVING A STRONG CHLORINE ODOUR. CORROSIVE LIQUID.

Solubility (in Water): MISCIBLE IN ALL PROPORTIONS. Other Solvents: ALCOHOL, GLYCOL

SECTION IV - FIRE OR EXPLOSION DATA

Flammability: NONE

Means of Extinction: WATER, USE AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.

Special Procedures: (UNUSUAL FIRE AND EXPLOSION HAZARDS) SODIUM HYPOCHLORITE IS NONFLAMMABLE, BUT IS DECOMPOSED BY HEAT AND LIGHT CAUSING PRESSURE BUILD UP IN CONTAINERS, WHICH COULD RESULT WITH ACID FUMES, IT EMITS TOXIC FUMES TO CHLORINE. VIGOROUS REACTION WITH OXIDIZABLE ORGANIC MATERIALS MAY RESULT IN FIRE.

Upper Flammable Limit: by % VOL: IN AIR

CHLORINE SANITIZER

Lower Flammable Limit: by % VOL: IN AIR

Flash Point: N/AV

Auto Ignition Temperature: N/AV

Explosion Data - Sensitivity to Mechanical Impact: N/AV

Explosion Data - Sensitivity to Static Discharge: N/AV

Hazardous Combustion Products: N/AV

Firefight Procedures: PROTECT FIREMAN AGAINST CORROSIVE FUMES AND LIQUID IF RELEASED. REMOVE STORAGE VESSELS FROM FIRE ZONE. APPLY WATER TO COOL CONTAINER TANKS.

SECTION V - REACTIVITY DATA

Chemical Stability: UNSTABLE. **CONDITIONS TO AVOID:** TEMPERATURE ABOVE 40°C, SUNLIGHT, CONTACT WITH METALS.

Incompatibility with Other Substances: STRONG ACIDS, STRONG CAUSTIC, AMMONIA, OXIDIZABLE MATERIALS, UREA, NICKEL, COPPER, TIN, MAGANESE, IRON. KEEP AWAY FROM COMBUSTIBLE MATERIALS/

Conditions of Reactivity: N/AV

Hazardous Decomposition Products: CHLORINE (BY REACTION WITH ACIDS), OXYGEN (BY REACTION WITH NICKEL, COPPER, TIN, MAGNESE, IRON)

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry

Skin Contact x Eye Contact x Inhalation x Ingestion x

Effects of Chronic Exposure to Product: N/AV

Effects of Acute Exposure to Product: **EYES:** CAUSES IRRRITATION OF MUCOUS MEMBRANES OF THE EYES. MAY CAUSE EYE DAMAGE.

SKIN: CAUSES SEVERE SKIN IRRITATION WITH BLISTERING AND ECZEMA.

INHALATION: IRRITATION OF NOSE AND THROAT, COUGHING, DIFFICULTLY BREATHING; MAY CAUSE PULMONARY EDEMA.

INGESTION: BURNING IN THE MOUTH AND THROAT, ADOMINAL CRAMPS, NAUSEA, VOMITING, DIARRHEA, SHOCK. MAY LEAD TO CONVULSIONS, COMA, DEATH.

SECTION VI - TOXICOLOGICAL PROPERTIES

Exposure Limits (TLV): 1ppm AS CHLORINE

Irritancy of Product: N/AV

Toxicological Synergistic Products: N/AV

Sensitivity to Product: N/AV

CHLORINE SANITIZER

LD50 of Product: (RTE/SPEC) 8200 mg/kg Rat

LC50 of Product: N/AV

Carcinogenicity, Reproductive Effects, Mutagenicity and Embryo Toxicity: N/AV

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment : APRON.

Gloves: RUBBER GLOVES.

Respiratory: CANISTER – TYPE RESPIRATORS SUITABLE FOR CHLORINE.

Eye: TIGHT FITTING CHEMICAL GOOGLES.

Footwear: RUBBER BOOTS.

Other Equipment: N/AV

Engineering Controls: N/AV

Leak and Spill Procedure: DO NOT ALLOW CHEMICAL TO ENTER SEWERS OR WATERWAYS. WITH LARGE SPILLS, DIKE FOR LATER DISPOSAL OR RECOVERY. WITH MINOR SPILLS, FLUSH CONTAMINATED AREA WITH LARGE QUANTITIES OF WATER.

Waste Disposal: WASTE SODIUM HYPOCHLORITE SHOULD NOT BE DISCHARGED INTO SEWERS OR STREAMS IN WHICH ACID WASTE MIGHT BE PRESENT AS THIS COULD RESULT IN THE LIBERATION OF CHLORINE GAS. AFTER THE HYPOCHLORITE HAS BEEN REDUCED ENSURE THAT THERE IS NO CHLORINE GAS RESIDUAL. NEUTRALIZE WITH HYPOCHLORIC OR SULPHURIC ACID, THEN FLUSH WITH WATER.

Handling Procedures and Equipment: STORE IN COOL DRY PLACE, KEEP OUT OF DIRECT SUNLIGHT, TIGHTLY CLOSE LID.

Storage Requirements: KEEP AWAY FROM COMBUSTIBLE MATERIALS.

Special Shipping Information: N/AV

Environmental Effects: HARMFUL TO AQUATIC LIFE IN LOW CONCENTRATIONS. NOTIFY NEAREST POLLUTION CONTROL AUTHORITY.

Neutralizing Effects: SODIUM SULPHITE, SODIUM BISULPHITE OR DILUTE HYDROGEN PEROXIDE. DO NOT USE ACIDS SINCE CHLORINE GAS WILL BE RELEASED.

SECTION VIII - FIRST AID MEASURES

Inhalation: REMOVE TO FRESH AIR, OBTAIN MEDICAL HELP IMMEDIATELY..

Ingestion: GET MEDICAL ATTENTION IMMEDIATELY. RINSE OUT WITH WATER. GIVE LARGE QUANTITIES OF WATER TO DRINK, INDUCE VOMITING AND DRINK MORE WATER.

Eye Contact: HOLD EYELIDS OPEN AND WASH THOROUGHLY WITH CLEAN WATER FOR AT LEAST 15 MINUTES. USE EYE IRRITATION FOUNDATION IF AVAILABLE. GET MEDICAL ATTENTION IMMEDIATELY.

Skin Contact: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION IX - PREPARATION INFORMATION

Prepared by: SPRAKITA PRODUCTS

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Date of Preparation: FEBRUARY 11, 2011.

Note: The information supplied in this document is true and accurate to the best of our knowledge;
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