

MATERIAL SAFETY DATA SHEET

HADDON EQUIPMENT & SUPPLIES
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Valid: Nov. 2011 - Nov. 2013

PRODUCT NAME: LIQUID CHLORINE (12%) SANITIZER **CODE: J436**
OTHER NAME: BRITE N WHITE
DISTRIBUTED BY:

WHMIS CLASSIFICATION: E; C; D2B
TDG CLASSIFICATION: HYPOCHLORITE SOLUTION; Class 8; UN 1791; PG III

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Sodium Hypochlorite (providing 12% available chlorine)	60-100	7681-52-9	LD ₅₀ Oral (rat) 12 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid Sp. Gravity: 1.1550 pH: 12.6 1% sol. - 9.8
Boiling Point: N/A Vapour Pressure: 17.5 mm Hg at 20°C
Vapour Density: Not Avail. Evaporation Rate: Not Avail.
Freezing Point: -20 to -25°C
Solubility in Water: 100%
Appearance & Odour: Pale yellow liquid with chlorine odour.

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: () Water Fog () Foam () CO₂
() Dry Chem (X) Other: As for surrounding fire.

Hazardous Combustion Products: Chlorine, oxygen, sodium chloride, hydrogen chloride.

Special Firefighting Procedures: N/A

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material (X) Acid () Base
(X) Other: Ammonia, metals
Hazardous Decomposition Products: Oxygen, Chlorine

Chemical Stability: Decreases with heat, light exposure, decrease in pH and contamination with heavy metals.

*N/A - Not applicable.

Product Name: **LIQUID CHLORINE (12%) SANITIZER (BRITE N WHITE)**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

Inhalation: Get fresh air. Keep victim warm and at rest.

Ingestion: Drink large quantities of milk or water. Take sodium bicarbonate as an antidote. Do not induce vomiting. Get medical attention.

Eyes: Flush thoroughly with water for 15 minutes. Get medical attention.

Skin: Flush with plenty of water. For severe exposure get medical attention.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: May produce severe bronchial irritation, pulmonary edema.

Ingestion: Do not take internally. Ingestion may cause corrosion of mucous membranes, esophageal or gastric perforation, laryngeal edema. May cause nausea, vomiting, diarrhea, and shock.

Eyes: Keep away from eyes. May cause severe irritation.

Skin: Skin contact may result in irritation.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

May be neutralized with sodium sulphite, sodium bisulphite or dilute hydrogen peroxide.

Waste disposal method:

Flush with water for small spills. Dispose according to environmental regulations.

Handling and Storage Requirements:

Container should be kept closed when not in use.

Ventilation Requirements (Local or General):

Use in well ventilated area.

Respiratory Protection:

A mask may be worn.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

Rubber or neoprene gloves may be worn. As well rubber boots and apron may be used.