

## HDX GERMICIDAL BLEACH

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	HDX Germicidal Bleach
Reference Number	H12-023 (EPA Reg. No. 70271-24)
Company	KIK Custom Products 33 MacIntosh Blvd. Concord, Ontario L4K 4L5 T: 905-660-0444
24 Hour Emergency Contact	1-800-255-3924
Prepared By	Product Development KIK Classic Division
Revised Date	01-31-12      Revision: New

### SECTION 2: HAZARD IDENTIFICATION

**General Advice:** DANGER! CORROSIVE.

May cause severe burns or damage to eyes.

May cause severe skin burns or irritation.

Harmful if swallowed.

Vapor or mist may irritate.

If irritation occurs see a doctor immediately. Keep out of reach of children and pets.

**Routes of Exposure:** Eyes, Skin, Inhalation, Ingestion

**Potential Health Effects:**

**Eyes:** Vapor or mist can be irritation, causing redness. Concentrated vapor, mist or splashed liquid can cause severe irritation, burns or even permanent blindness.

**Skin:** Contact may produce severe irritation or corrosive skin damage, depending upon length of contact. Under normal consumer use conditions the likelihood of any adverse health effects are low.

**Inhalation:** Vapor or mist can cause irritation to nose, throat and upper respiratory tract.

Symptoms include: coughing, choking. Severe exposure can result in pulmonary edema and corrosion of tissues in the nose and throat.

**Ingestion:** Causes severe burns of the mouth, esophagus, and stomach, with consequent pain, nausea, vomiting, diarrhea, circulatory collapse.

**Target organs:** Eyes. Skin.

**Chronic effects:** Not known.

## HDX GERMICIDAL BLEACH

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<i>Chemical Name</i>	<i>Concentration %</i>	<i>CAS No.</i>	<i>Worker Exposure Limit</i>
Sodium Hypochlorite	6% - 9%	7681-52-9	5800 mg/kg / >10500
Sodium Hydroxide	<1.00%	7647-01-0	Not Established

### SECTION 4: FIRST AID MEASURES

**Eyes:** Flush eyes immediately with lukewarm water for at least 20 minutes. Remove contact lenses after first 5 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. See doctor immediately.

**Skin:** Remove contaminated clothing. Immediately wash the skin with copious amount of lukewarm water for at least 20 - 30 minutes. See doctor immediately.

**Inhalation:** Move to fresh air immediately and restore breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. See doctor immediately.

**Ingestion: DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL!** Rinse mouth out with water. Drink 1 or 2 glasses of water, if swallowing is possible. Do not give anything by mouth to a convulsing or unconscious person. See a doctor immediately.

### SECTION 5: FIRE FIGHTING MEASURES

This product is neither flammable nor explosive.

Suitable extinguishing media : Treat for surrounding material.

Protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

## HDX GERMICIDAL BLEACH

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Always contained all type of spills. Be sure to wear protective equipment (see Section 8)

**Leak and Spill Procedure:** Rinse with water, mop up, dispose of in accordance with local, state/provincial and federal regulations.

**Large Spills:** Large spills should be contained, and if not recoverable, then diluted with water. Use a water rinse for final clean-up.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Use only as directed. Avoid any contact with eyes, skin and clothing. When using, do not eat or drink.

**Storage:** Store in a cool, dry and well-ventilated area. Always keep the container closed when not in use. KEEP OUT OF REACH OF CHILDREN AND PETS.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Household Setting

**Eyes Protection** – No special requirements under normal use conditions.

**Hand Protection** – Use gloves for prolonged exposure.

**Footwear** – No special requirements under normal use conditions.

**Respiratory protection** – Not normally required.

#### Industrial Setting

**Eyes Protection** – Wear splash-resistant, full-face shield chemical goggles.

**Hand Protection** – Use suitable gloves.

**Footwear** – Impervious boots of chemically resistant material should be worn at all times.

**Respiratory protection** – If ventilation is not sufficient to prevent vapor build up, use appropriate NIOSH/MSHA respiratory protection.

## HDX GERMICIDAL BLEACH

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Appearance	: Clear
Color	: Slightly yellow
Odor	: Bleach
pH	: 12.0 – 13.0
Specific Gravity	: 1.09 minimum (water = 1)
Viscosity	: Water thin
Water Solubility	: Complete
Boiling Point	: 212°F (100°C)
Melting Point	: no data available
Freezing point	: no data available

### SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and storage conditions.

**Conditions to avoid:** Temperature above 40°C, sunlight and metals.

**Materials to avoid:** Acids, ammonia, urea, metals and oxidizers.

**Reactivity:** Releases Chlorine gas if mixed with ammonia.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** Will cause membrane irritation, pain and inflammation to digestive tract.

**Acute dermal toxicity:** Will cause moderate irritation to skin and severe irritation and pain to eyes.

**Chronic toxicity** : None known.

**Carcinogenic Effects** : Not considered to be carcinogenic by IARC, NTP and ACGIH

**Mutagenic Effects** : None Known

**Reproductive Toxicity** : None Known

## HDX GERMICIDAL BLEACH

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity effects : Not Available

### SECTION 13: DISPOSAL CONSIDERATIONS

Reclaim or dispose in accordance with federal, provincial and local regulations.

### SECTION 14: TRANSPORTATION INFORMATION

#### U.S. DOT and Canadian TDG land Transportation

Class 8: Corrosive material

UN Number: 1791

Proper Shipping name: Sodium Hypochlorite Solution

Packaging group: III

Marine pollutant: No

#### IMDG Sea Transport

Class 8: Corrosive material

UN Number: 1791

Proper Shipping name: Sodium Hypochlorite Solution

Packaging group: III

Marine pollutant: No

### SECTION 15: REGULATORY INFORMATION

**TSCA/DSL Status:** All components in this product are on the U.S. TSCA and Canadian DSL.

**WHMIS (Canada):** Class C: Oxidizing Material

**Class D, Div. 2,** Toxic Liquid, Skin Sensitizer

## HDX GERMICIDAL BLEACH

### SECTION 16: OTHER INFORMATION

**HMIS Ratings**

Health : 2  
Flammability : 0  
Reactivity : 2

**NFPA Ratings**

Health : 2  
Flammability : 0  
Reactivity : 2

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**\*\*\* Preliminary MSDS. Subject to change \*\*\***

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