

## Pure Bright Germicidal Bleach

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	8.25% Sodium Hypochlorite
Reference Number	H12-023 (EPA Reg. No. 70271-24)
Company	KIK International Inc. 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.

## Pure Bright 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.

## Pure Bright 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.

## Pure Bright 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

## Pure Bright 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

## Pure Bright Germicidal Bleach

### SECTION 16: OTHER INFORMATION

**HMS Ratings**

Health : 2  
Flammability : 0  
Reactivity : 2

**NFPA Ratings**

Health : 2  
Flammability : 0  
Reactivity : 2

Created By: Mitul Bhandari	Date: 1/31/2012
Approved By: Eden Mercado	Date: 1/31/2012

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

As the handling and use of this product are beyond our control, no warranty, expressed or implied is made concerning this product. The information contained here is offered only as a guide and is not intended to be all-inclusive in the manner and conditions of use and handling. The user assumes all risks of use or handling whether or not in accordance with any directions or suggestions of the manufacturer. Manufacturer shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our product.