

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.

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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.

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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.

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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

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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

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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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