3.5% BLEACH

Material Safety Data Sheet



PRODUCTS
Manufacturing Quality Chemicals since 1998

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SECTION 1 GENERAL PRODUCT DATA

Product Name: **3.5% BLEACH**

Product Description: CHLORINE BLEACH

SECTION 2 HAZARD IDENTIFICATION

Hazard Category: Irritant
Chemical Hazard: Contact with acids liberates toxic chlorine gas.
Environmental Effects: Toxic to aquatic life.
Potential Health Effects: Irritating to eyes. Rinse immediately with plenty of water.
Avoid contact with skin, wash immediately with soap and water.
Do not ingest.
Keep out of reach of children.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient: Water
Sodium Hypochlorite

Hazardous Component: Sodium Hypochlorite

SECTION 4 FIRST AID MEASURES

Swallowed: Rinse mouth with water immediately. If swallowed, DO NOT induce vomiting. Drink water and seek medical assistance immediately.

Eyes: If it gets into the eye, hold eyelid apart and flush the eye continuously with running water. Continue to flush with water for at least 15 minutes. Seek immediate medical assistance.

Skin: Gloves should be worn when handling the product. Should it get on the skin, rinse with plenty of water.

Inhaled: Remove the person from any further exposure. Give oxygen and seek medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazards: Non-combustible material.

Fire-fighting Advice: Decomposes on heating emitting toxic fumes. Fire fighters should wear full protection equipment, including a self-contained breathing apparatus.

Extinguishing Media: This product is not flammable but is decomposed by heat and light, which causes a pressure build-up in containers which could result in an explosion. Use fire-extinguishing media appropriate for surrounding materials.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Prevent run off into drains and waterways. Collect and seal labelled containers for disposal. Wash area with water.

Personal Precautions: Wear protective clothing and avoid eye and skin contact.

Neutralising Chemical: Water.

SECTION 7 HANDLING AND STORAGE

Handling Advice: Avoid eye and skin contact. Do not ingest. Keep out of reach of children.

Storage Advice: Store in a cool, well-ventilated area and out of direct sunlight. Keep containers closed at all times when not in use. Check regularly for leaks.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Provide adequate ventilation.

Respiratory Protection: If inhalation risk exists, use local exhaust ventilation or wear air supplied mask. Use with adequate ventilation and keep containers closed when not in use.

Protective Gloves: Use protective gloves.

Eye Protection: If there is a risk of splashing, wear safety goggles.

Hygiene Measures: Wash hands after contact. Wash contaminated protective equipment before storage and reuse.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Colour: Pale Yellow
Odour: Slight Chlorine
Solubility: Miscible in water

SECTION 10 STABILITY AND REACTIVITY

Stability: Incompatible with acids, oxidisable materials, metals, ammonia, iron, peroxides and other nitrogenous materials.

Reactivity: Corrosive to zinc, tin and aluminium. Absorbs carbon dioxide from air and reacts exothermically on dilution with water.

SECTION 11 TOXOLOGICAL INFORMATION

Health Effects:

No adverse health effects expected if the material is handled in accordance with this Material Safety Data Sheet.

If mishandled, the following can occur:

Potential acute health effects

Eye Contact: Irritating to eyes.

Skin Contact: Exposure to skin could result in severe irritation.

Inhalation: Breathing in of product may cause respiratory irritation.

Ingestion: Exposure may cause nausea, abdominal pain and chemical burns to gastrointestinal tract.



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Potential chronic health effects

Prolonged exposure to:

Skin: May result in dermatitis.

Eyes: May cause conjunctivitis.

Inhalation: May adversely affect respiratory tract.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Effects: High concentrations may be harmful to aquatic life.

Environmental fate, persistence and degradation: Avoid contaminating waterways. Spills should be contained, absorbed by sand or earth and placed in plastic drums for disposal. This product is biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: The generation of waste should be avoided or minimised wherever possible. Dispose according to municipal, provincial and local regulations.

Disposal of Packaging: Empty containers can contain harmful residues and are subject to proper waste disposal. Always obey hazard warnings.

SECTION 14 TRANSPORT INFORMATION

UN No:	1791
Substance Identity No:	1791
Dangerous Goods Class:	8
Shipping Name:	Sodium Hypochlorite Solution
TREMCARD No:	45/80G12

SECTION 15 REGULATORY INFORMATION

EEC Classification:	(C) Corrosive
Risk Phrases:	R31, R32, R33, R34, R36, R38

SECTION 16 OTHER INFORMATION

This Material Safety Data Sheet (MSDS) is offered for your consideration as a guide for the handling and safety of this product. The data contained herein summarises our best knowledge of the health and safety hazard information relating to this product.

The information contained in this MSDS is offered in good faith as accurate, but without guarantee in conditions of use, and particular uses, beyond manufacturer's or supplier's control. Users assume all risks of use of the product.

MSDS data does not apply to use with any other product or in any other process.