


# PRODUCT SAFETY DATA SHEET

SECTION 1		
 8 Gravelly Park Birmingham B24 8TB	<b>PRODUCT NAME</b>  <b>FRESHLINE BLEACH</b>	<b>EMERGENCY CONTACT:</b>  National Poisons Information Centre - London  REF NO: ISSUE DATE: <b>APRIL 2004</b>
<b>PHYSICAL FORM:</b>  <b>PALE YELLOW LIQUID</b>	<b>PRODUCT TYPE:</b>  <b>THIN BLEACH &lt;5%</b>	<b>CONTAINER:</b>  <b>1L AND 5L PLASTIC</b>

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: sodium hypochlorite solution, containing less than 5% nominal available chlorine.

Hazardous Ingredients	%	Symbol	R Phrases
Sodium hypochlorite solution, available chlorine	<5	C	R31-34

## 3. HAZARDS IDENTIFICATION

Contact with acids liberates toxic gas (chlorine).

## 4. FIRST-AID MEASURES

- Inhalation:** If exposed to chlorine or other vapours, remove to fresh air. Obtain medical attention.
- Skin contact:** Remove contaminated clothing. Wash thoroughly with plenty of running water. Obtain medical attention if symptoms develop.
- Eye Contact:** Keeping eye open, immediately irrigate with water or eyewash for at least 10 minutes. Obtain medical attention immediately.
- Ingestion:** Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give water to drink. Obtain medical attention immediately.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media:** Water, foam or dry material.

Non-combustible but when involved in fires, toxic vapours (chlorine) will be evolved, thus a self-contained breathing apparatus should be worn.

**6. ACCIDENTAL RELEASE MEASURES**

**Small Spillages:** Dilute to waste with plenty of water.

**Large Spillages:** Absorb with sand, earth or granules (do not use sawdust or paper). Wash down site with water

**7. HANDLING AND STORAGE**

**Handling:** Adequate ventilation is required. Avoid contact with skin and eyes. Do not breathe mist. Avoid contact with other cleaning agents.

**Storage:** Store in a cool place away from direct sunlight.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

PVC or rubber gloves, aprons, eyeshields when handling concentrate.

**Occupational Exposure Limits:**

Hazardous Ingredient	LTEL 8hr ppm	TWA mg/m <sup>3</sup>	STEL ppm	mg/m <sup>3</sup>
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In case of chlorine emission, the OEL for chlorine should be observed:

Chlorine	0.5	1.5	1	2.9
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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	clear pale yellow liquid
Odour:	faintly chlorinous
pH:	11.5 typical
Flash point °C:	N/A
Relative Density (20°C):	4% solution typical 1.059
Solubility in water:	soluble

**10. STABILITY AND REACTIVITY**

- Stability:** Product decomposes over time. Factors that increase the rate of decomposition are: increase in temperature, certain metallic impurities, high initial concentration, fall in pH below 11, and exposure to light.
- Conditions to Avoid:** Contact with metals, high temperatures and direct sun-light.  
Do not mix with other cleaning products, particularly acids or ammonia.
- Materials to Avoid:** Mildly corrosive to most metals, to painted surfaces and to most organic materials.
- Hazardous Decomposition Products:** Chlorine gas.

**11. TOXICOLOGICAL INFORMATION**

- Inhalation:** Little hazard if stored correctly. Vapour containing chlorine irritates the nose, throat and lungs.
- Skin Contact:** Repeated or prolonged contact with concentrate may cause irritation and eventually dermatitis.
- Eye Contact:** Contact may irritate and inflame.
- Ingestion:** May irritate the mouth, throat and stomach.

**12. ECOLOGICAL INFORMATION**

To safeguard the environment, this product is rapidly broken down after use to common salt, oxygen and other harmless materials.

**13. DISPOSAL CONSIDERATIONS**

Wash out containers with water before disposal.

**Product Name: FRESHLINE BLEACH**

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**14. TRANSPORT INFORMATION**

UN No:	-
Road Carriage:	Not classified as hazardous
TREM Card No:	-
ADR/RID Class:	-
IMDG Class and Packing Group:	-
Proper Shipping Name:	-
Marine Pollutant:	No
Customs Tariff:	2828 90 00

**15. REGULATORY INFORMATION**

CHIP Classification:	Not classified as hazardous
Hazard Symbol:	-

**Risk Phrases:**

R31 - Contact with acids liberates toxic gases.

**Safety Phrases:**

S2 - Keep out of reach of children.  
S24/25 - Avoid contact with skin or eyes.  
S50 - Do not mix with other chemicals.

**16. OTHER INFORMATION**

Text of the R-phrases that are allocated to the ingredients listed in section 2 of this safety data sheet:

R31 Contact with acids liberates toxic gas  
R34 Causes burns

**(Revised sections are indicated by sidelining.)**

PLEASE ENSURE THIS SAFETY DATA SHEET IS PASSED TO THE APPROPRIATE PERSONS IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

This Data Sheet was prepared in accordance with directive 91/155/EEC and regulation 6 of the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 or as amended.

The information this sheet contains does not constitute on its own the users own assessment of workplace risk as required by other health and safety legislation eg. HSW ACT COSHH, MHSW Regulations or other.

Occupational exposure standards were taken from the current edition of EH40 (UK HSE).