

# SAFETY DATA SHEET



Trust Hygiene Services Limited

## 01020 – BLEACH CONCENTRATE

### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT CODE: 01020

PRODUCT NAME: BLEACH SOLUTION - MINIMUM 4.5% AVAILABLE CHLORINE.5 Ltrs

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

An aqueous bleach solution.

HAZARDOUS INGREDIENTS:	CAS No.:	% w.w. (RANGE)	RISK PHRASES
SODIUM HYPOCHLORITE	7681-52-9	4.5% Av.	CORROSIVE. (R31, R34). Contact with acids liberates toxic gas. Causes burns.

### 3. HAZARDS IDENTIFICATION

Product is classed as IRRITANT under Chemicals (Hazard Information and Packaging) Regulations 1994

Risk Phrases: 36/ 38: Irritating to eyes and skin.

### 4. FIRST AID MEASURES

**INHALATION:** Move patient to fresh air, away from source of exposure.

**INGESTION:** DO NOT INDUCE VOMITING. Give small sips of milk or water to drink and seek immediate medical attention.

**SKIN:** Remove contaminated clothing and wash before wearing. Wash affected area with soap and water. If irritation persists seek medical advice.

**EYES:** Rinse immediately with large quantities of clean water, holding eye open and seek medical attention.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Product is non-flammable. Decomposition can evolve oxygen and enhance combustion of other flammable materials. Product is a powerful oxidising agent. Toxic fumes may be evolved in fire, therefore breathing apparatus should be worn. Treat fires with dry chemical, foam, or waterspray. Do not use waterjet.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEAN UP METHODS:** Small spillages can be rinsed away to drain. Large spillages need to be contained using sand or earth so that the liquid is prevented from entering a water course. Absorb spillage in inert material i.e. dry sand/earth and transfer into secure plastic container(s) for disposal.

### 7. HANDLING AND STORAGE

1. Store away from children.
2. Use only according to directions.
3. DO NOT mix with other chemicals.
4. Always ensure cap is replaced and fully tightened after use.
5. Do not exceed to temperatures greater than 35°C or less than 0°C

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

1. Impervious gloves should be worn together with goggles if splashing is likely.
2. Always maintain a good standard of occupational hygiene when handling chemicals.

### **PROTECTIVE EQUIPMENT:**



## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Clear liquid
<b>COLOUR:</b>	Greenish Yellow
<b>ODOUR:</b>	Faint chlorinous odour
<b>pH:</b>	13.0
<b>DENSITY:</b>	1.100 kg/litre @ 20°C
<b>FLASH POINT (°C):</b>	Not applicable
<b>SOLUBILITY:</b>	Soluble in water

## **10. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Product is stable under normal conditions.
<b>CONDITIONS TO AVOID:</b>	Avoid mixing with acids or acidic compounds. Acids or acidic compounds decompose sodium hypochlorite with evolution of chlorine; which is a toxic gas.

## **11. TOXICOLOGY INFORMATION**

Effects due to overexposure when:

<b>INHALATION:</b>	Chlorine vapour irritates nose, throat and lungs causing coughing.
<b>INGESTION:</b>	Severe irritation to mouth and throat stomach pains and possible ulceration.
<b>SKIN CONTACT:</b>	Irritation, reddening of the skin. Prolonged contact may result in dermatitis. Sensitisation may also occur.
<b>EYE CONTACT:</b>	Immediate irritation and severe pain.

## **12. ECOLOGICAL INFORMATION**

<b>ECOTOXICITY:</b>	1 ppm available chlorine is toxic to all fish. 0.4 ppm available chlorine is toxic to game fish.
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## **13. DISPOSAL CONSIDERATIONS**

<b>DISPOSABLE METHODS:</b>	Dispose of according to local regulations.
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## **14. TRANSPORT INFORMATION**

Product is not classed as hazardous for transportation purposes.

## **15. REGULATORY INFORMATION**

Product is classed as IRRITANT under CHIP Regulations.

<b>SAFETY PHRASES:</b>	S2 Keep out of the reach of children
	24/25 Avoid contact with skin and eyes.
	26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
	46 If swallowed seek medical advice immediately and show this container label.

## **16. OTHER INFORMATION**

<b>USER NOTES:</b>	The responsibility to ensure safe working conditions within the workplace remains with the user. The health hazard and general information contained within this Material Safety Data Sheet are given as a guide to the precautions required to maintain a safe work environment.
<b>DATE CREATED:</b>	January 2009