



MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (15%) PRODUCT TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

FEATURES AND BENEFITS

- *Efficient disinfection*
- *Efficient Sanitization*
- *Efficient bleaching agent*

USES

- *Potable Water disinfection*
- *Wastewater Disinfection*
- *Process water disinfection*
- *Cleaning and sanitization*
- *Use as bleaching agent on dilution*

MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (15%) solution (NAFDAC Reg. No.: A2-6161 and DPR/HSE.04/003.700/2018/037 and ISO 9001:2015 Cert. No.: N1683535) is a clear light yellow-greenish chlorine-containing liquid. **MACJAMES® MSHYP-001** has a strong disinfecting effect on all clinical strains of bacteria. It has a good bactericidal (Gram-positive and Gram-negative bacteria), sporicidal and fungicidal effect that is achieved in a very short time even at small concentrations dilutions. It is efficient in water treatment and sanitization.

PACKAGE SIZES: 4 Litres: 20 Litres: 25 Litres: 200 Litres: IBC tanks (1,000 Litre)
(All in UV-stabilized HDPE plastic containers)

USES AND APPLICATION INFORMATION:

MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (15%) solution is used in water treatment as a disinfectant; healthcare and public facilities, hospitality and hotels, household and industries as an efficient disinfectant, sanitizer and bleaching agent.

LIST OF USES: Water Treatment, Disinfection, Removal of Ammonia, Hydrogen Sulphide Oxidation, Iron and Manganese Oxidation, Control of Taste and Odor, Destruction of Organic Matter, Colour Reduction, Control of Slime and Algae and Laundry and Industrial Bleaching.

General disinfecting and deodorizing.

A dilution to 0.1% solution may be used to sanitize walls, floors, baths and other hard surfaces. Add the diluted solution and allow it to stand for 5 minutes. Wash and rinse well with clean water.

AREAS OF APPLICATION/USE	CONCENTRATION BY WATER DILUTION
Healthcare facilities	1% - 0.006% solution
Public facilities	0.006% solution
Water disinfection	0.00005% solution
Swimming pool	0.00005% solution
Chlorination of wells and water supply systems	0.00005% - 0.001% solution
Bleaching agent (in fabrics)	0.01% for whitening; and 0.1% for stain removal



MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (15%) solution is used diluted with water in various concentrations, depending on type of material, dirt and pathogen contamination level.

DISINFECTION LEVEL	DILUTION RATIO SODIUM HYPOCHLORITE (15%) : WATER
High level	1 : 10
Intermediate High Level	1 : 20
Intermediate level	1 : 50
Low level	1 : 100
Very Low level	1 : 1000

PRECAUTIONS:

- Keep all chemicals away from children.
- Keep away from acids, reducing agents, organics.
- Always store in a cool dry location.
- Avoid direct sunlight.
- Always keep vented drum device closed.
- Avoid skin and eye contact, inhalation or ingestion.
- Use Material Safety Data Sheet (MSDS) for specific details.

PHYSICAL PROPERTIES			
Colour	Clear to Light greenish yellow	State	Liquid
Odour:	Chlorine-like	Vapour Pressure	17.25 mmHg @ 20°C
Specific Gravity @ 20°C :	1.08	Water solubility:	Soluble
Volatility	Not available	Evaporation rate	Not available
pH (1%Solution/water)	Neutral	Vapour Density (Air = 1):	0.62
Freezing Point:	Not Available	Boiling Point:	40°C

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING.

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	B

0 - Minimal
1 - Slight
2 - Moderate
3 - High
4 - Very High

NB: The Material Safety Data Sheet(MSDS) of **MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (15%) solution** is readily available for more information or contact us at info@macjamesglobal.com.

TYPICAL PHOTOS OF PACKAGE SIZES OF MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE



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