MATERIAL SAFETY DATA SHEET

Date Issued 06 June 2025
Revision 01

Bactallion Emergency Phone Number 27 (0)82 903 3658

Company Details

Name

Address	Plot 219, Modderfontein, Rustenburg, 0299	Tel Fax	27 (0)14 495 2982 N/A

1. Product and Company Identification:

Trade / Commercial Name **Hypo (Sodium hypochlorite, solution conc> 12.5% active)**

Chemical Name	Sodium hypochlorite solution
Formula	NaOCl/NaOH
Chemical Family	NaOCl/NaOH
Synonyms	
UN No.	1791
ERG No.	154
EAC	60

2. Composition:

Hazardous Components Sodium hypochlorite,solution conc 1.5% active

3. Hazards Identification:

Corrosive
Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive . and/or toxic fumes.
Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).
Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated. TOXIC; inhalation, ingestion, or skin contact with material may cause severe injury or death.
Contact with molten substance may cause severe burns to skin and eyes. Avoid any skin contact. Effects of contact or inhalation may be delayed. Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

4. First Aid Measures:

First Aid Skin	Wash off with water. Remove clothing. Shower thoroughly.
First Aid Eyes	Flush eyes with water for 15 minutes. Hold eyelids open while washing.
First Aid Ingested	Do not induce vomiting
First Aid Inhalation	Remove from contaminated area. Give oxygen. CPR if indicated.



BACTALLION
A BATTLE IN A BOTTLE

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5. Fire Fighting Measures:

Not considered to be a fire hazard
Substance releases oxygen when heated which may increases severity of existing fire Containers may rupture from pressure build-up
Use any means suitable for extinguishing surrounding fire Use water spray to cool fire-exposed containers

6. Accidental Release Measures:

Ventilate area of spill or leak
Wear personnel protective clothing and self contained breathing apparatus Isolate hazard area
Keep unprotected and unnecessary and unprotected personnel from entering
Contain and recover liquid when possible
Do not use combustible materials such as saw dust to contain spill Do not flush to sewer
Absorb with an inert material such as vermiculite or dry sand

7. Handling And Storage:

Keep in tightly closed container
Store in a cool dry ventilated area
Protect against physical damage
Isolate from incompatible substances

8. Exposure Controls/Personal Protection:

Occupational Exposure Limits	No Exposure Limits Established
Controls	The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower/eye wash fountain readily available in the immediate work area.
Personal Protection	If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection. Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties:

Colourless to green-yellow solution.
Completely soluble in water.

10. Stability And Reactivity:

Conditions to Avoid	Do not use as boil out liquid
Incompatible Materials	Ammonia, Lime, methanol,oxidizable metals,acids,soaps and bisulfates.
Other	Becomes less toxic with age

11. Toxicological Information:

Irritation of skin and eyes; pulmonary irritant.
TOXIC; inhalation, ingestion, or skin contact with material may cause severe injury or death. Toxic chlorine gas when in contact with acids.

12. Ecological Information:

No ecological problems are expected when the product is handled and used with due care.

13. Disposal Considerations:

Disposal Method Product: There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. We recommend that you contact the authorities in charge or approved

14. Transport Information:

UN No.	1791	EAC	60
Erg No.	154	IMDG-Packaging Group	II/ III
IMDG Code	8177	Hazchem Code	
2r Marine Pollutant	Yes		
Class	Class 8	Corrosive Group: II/III	
Subsidiary risks	None		
Tremcard Number	45/80G12		

15. Regulatory Information:

EEC Hazard Classification 8

Risk Phrases: Contact with acids liberates toxic gas
Causes burns

Safety Phrases: Keep out of reach of children
After contact with skin, wash immediately with plenty of water.

National Legislation

16. Other Information:

Reason for Alteration: General update.

The information contained herein is based on data to be considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.