



Safety Data Sheet

According to CFR1910/1200 and GHS Rev.10

Effective Date: 11 March 2024

Product Name: Hypochlorite Solution 12.5%

Classified for physical and health hazards under GHS.

SECTION 1: IDENTIFICATION OF SUBSTANCE AND OF THE SUPPLIER

Product Name	Hypochlorite Solution 12.5%
Other Names	Sodium Hypochlorite
CAS No.	Sodium hypochlorite 7681-52-9, Sodium hydroxide 1310-73-2
Product Code & Size	20HS12, 20 liter
Recommended Uses	Industrial Water treatment
Company Name	Viva Blu Chemical Suppliers
Address	49 Victoria Street, Windsor, QLD, 4030
Phone	+61 402 981 808
Emergency Contact Number	+61 402 981 808 General Information
24 Hour Emergency Contact	If poisoning occurs, contact a doctor or Poisons Information Centre Australia 131 126 or New Zealand 0800 764 766

SECTION 2: HAZARDS IDENTIFICATION

Classification Hazardous chemical according to GHS (Globally Harmonized System)

Hazard Category

Category 1 Corrosive to metals

Category 1B Skin corrosion/ irritation

Category 1 Serious eye damage/ irritation

Category 1 Acute hazard to the aquatic environmental



Signal word: Danger

Hazard Statements

H290: May be corrosive to metals

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H400: Very toxic to aquatic life

Precautionary statements

P101: If medical advice is needed, have product container or label on hand

P102: Keep out of reach of children

P103: Read carefully and follow all instructions

P234: Keep only in original packaging

P260: Do not breathe fume/ mist/ vapours/ spray

P264: Wash hands thoroughly after handling

P265: Don't touch eyes

P280: Wear protective gloves, clothing/ eye protection/ face protection

P316: Get emergency medical help immediately if on skin

P317: Get medical help if in eye

P321: Specific treatment, refer to SDS

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+ P361 +P354: IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do.

P363: Wash contaminated clothing before use

P390: Absorb spillage to prevent material damage

P403+ P233: Store in well- ventilated place. Keep container tightly closed

P405: Store locked up

P406: Store in corrosive resistant container with resistant inner liner

P501: Dispose of contents/container in accordance with local, regional, national, international regulations

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportions
Sodium hypochlorite	7681-52-9	1-30%
Sodium hydroxide	1310-73-2	≤1%
Non hazardous ingredients	NA	Balance

SECTION 4: FIRST AID MEASURES

Swallowed	Rinse mouth with water. Do NOT induce vomiting. Immediately seek medical attention for advice. If vomiting, ensure free airway and prevent aspiration. Keep the person calm. Follow DRSABCD if necessary.
Eye	Rinse with plenty of water at least for 15 minutes. Remove contact lenses if present and easy to do. Immediately seek medical attention for advice. Follow DRSABCD if necessary.
Skin	Remove contaminated clothing and shoes and wash before re-use. Wash affected areas with plenty of water. Immediately seek medical attention for advice. Follow DRSABCD if necessary.
Inhaled	Move exposed individual to a comfortable breathing position and exposure to fresh air. Loosen clothing for better breathing. Follow DRSABCD if necessary.
Advice to Doctor	Corrosive effects on the skin and eyes may be delayed after exposure. Treat symptomatically based on individual reactions of patient and judgement of doctor.

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

Most important symptoms and effect, both acute and delayed

Irritation, burns, shortness of breath and more.

Indication of any immediate medical attention and special treatment needed

If seeking medical attention, provide SDS document to physician.

SECTION 5: FIRE FIGHTING MEASURES

Flammability Conditions	Product is not combustible.
Extinguishing Media	Use extinguishing media most appropriate for the surrounding fire. For example, dry chemical, CO2 or water spray.
General information	Water spray may be used to knock down the fumes.
Special Protective Precautions & Equipment for Fire fighters' Protective equipment	Fire fighters should wear a self-contained breathing apparatus and full protective clothing along with protective equipment.
Hachem Code	2X

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and Emergency Procedures

Always wear protective equipment when handling the substance and ensure adequate ventilation. Keep unprotected people away. Avoid breathing vapour and contact with eyes and skin.

Eliminate all sources of ignition. Do not allow product to reach drains, sewers, or waterways. If the product does enter a waterway, advise the Environment Protection Authority or your local Waste Management. Do not touch damaged containers or spilled substances. Keep people away from exposure area at least 250m.

Environmental precautions	Prevent from reaching drains, sewers, or waterways. Collect contaminated soil for characterization per section 13. Small spillages may be washed with plenty of water.
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Methods and Materials for Containment and Clean Up

Wear protective clothing. Clean up spill by covering with dry earth and or non- combustible material followed by plastic sheet to minimize spreading. Transfer to a suitable, labeled waste container and hold for safe disposal. Spray water to knock down the fumes. Wash spill area with plenty of water after removing the spill. If necessary, use trained response staff/contractor.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling Ensure an eye and safety shower are available and ready for use in case of an emergency. To avoid contact with eyes, skin and clothing, wear protective clothing, safety glasses and or face protection. Do not breathe vapours. Follow good hygiene procedures when handling substances. Do not eat, drink, smoke or use personal products when handling substances. Use only in well-ventilated areas. Collect spillage.

Conditions for Safe Storage including and incompatibilities

Store in a cool (out of direct sunlight), well-ventilated and dry place. Keep container tightly closed and in its original packaging. Keep away from heat and sources of ignition. Avoid physical damage to containers. Store locked up. Store on an acid resistant floor and avoid spread due to leaking containers. Store in corrosive resistant container with a resistant inner liner.

Container Type

Store in original packaging as approved by manufacturer. Store in corrosive resistant container with a resistant inner liner.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters

Sodium Hydroxide 2 mg/m³) peak limitation according to Safe Work Australia.

Appropriate Engineering Controls

Preferent use local exhaust ventilation to minimise the exposures. Electrical equipment should be flameproof and protected against corrosive action.

Respiratory Protection

Use suitable respiratory protective equipment when inadequate ventilation or where risk assessment shows air-purifying respirators are appropriate.

Protection of skin

Appropriate personal equipment is required like protective overalls, safety footwear and gloves.

Eye Protection

Safety Glasses and face shield have to be worn at all times.

Work hygiene practices

Do not eat, drink or smoke when using the substance. Handle in accordance with good industrial hygiene and safety practice. Wash hands and exposed area after handling.

Biological Values

No information available

Exposure Limits

No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, white to straw yellow liquid
Odor	Chcharacteristic
Vapor Pressure	No data available
Vapor Density	No data available
Boiling Point	No data available
Melting Point	No data available
Solubilities	Miscible in water
Specific Gravity	1.14- 1.16
Flash Point	Not applicable
pH	12 – 13.5
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Ignition Temperature	No data available
Specific Heat Value	No data available
Viscosity, kinematic	No data available
Volatile Organic Compounds	Not applicable
Evaporation Rate	Not applicable
Viscosity	No data available
Percent Volatile	No data available
Octanol/Water partition coefficient	Not applicable
Saturated Vapor Concentration	No data available
Additional Characteristics	No data available
Flame Propagation/Burning rate of Solid Material	No data available
Reactions that release flammable Gases	No data available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Stable at recommended storage conditions.

Incompatible Materials Oxidising agents

Hazardous Decomposition products Oxides of Carbon and Nitrogen, smoke and other toxic fumes.

Possibility of hazardous reactions When correct storage and handling, no dangerous reactions.

Hazardous Polymerisation When correct storage and handling, no dangerous reactions.

Conditions to avoid Keep away from heat and sources of ignition.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

Ingestion	Can cause nausea, vomiting, diarrhea or abdominal pain when swallowing.
Eye Corrosion/ Irritation	Causes serious eye damage and may cause permanent damage
Skin Irritation	Can cause severe irritation when contact with skin
Inhalation	Can cause irritation to mucous membrane or respiratory tract.
Single Target Organ Toxicity (STOT) single expose	None
Single Target Organ Toxicity (STOT) repeat expose	No information available
Carcinogenicity	None
Gem Mutagenicity	None
Reproductive Toxicity	No information available
Aspiration toxicity	No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No information available

Environmental fate Hazard to aquatic life

Persistence/ degradability No information available

Mobility in Soil No information available

Bioaccumulation Potential No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Disposal in accordance with regional, national and international regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number 1791
Shipping Name Hyperchlorite solution
Dangerous Goods Class 8
Subsidiary Risk No data available
Pack Group III
Hazchem Code 2X

Special precautions for user Refer to SDS

SECTION 15: REGULATORY INFORMATION

Poisons Schedule (AUST) Not applicable

SECTION 16: CONTACT INFORMATION

Any advice, recommendation, information, assistance, or service provided by Viva Blu in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer of any liability on the part of Viva Blu. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and whether implied by stature, common law, custom of the trade otherwise, are to the extent that the law permits expressly excluded.

Craig Mair
Managing Director

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