Safety Data Sheet

According to CFR1910/1200 and GHS Rev.10
Effective Date: 08 January 2024

Product Name: Sodium Nitrite 20%

Classified for physical and health hazards under GHS.

SECTION 1: IDENTIFICATION OF SUBSTANCE AND OF THE SUPPLIER

Product Name	Sodium Nitrite 20%
Other Names	Sodium salt aqueous solution
CAS No.	7632-00-0
Product Code & Size	20LS20 - 20Litre
Recommended Uses	Industrial Water treatment
Company Name	Viva Blu Chemical Suppliers
Address	49 Victoria Street, Windsor, QLD, 4030
Phone	+61 402 981 808
Manufacturer 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 Acute hazard to the aquatic environment
Category 4 Acute toxicity: Oral
Category 2A Serious eye damage/ irritation



Signal word: Warning

Hazard Statements

H302: Harmful if swallowed
H319: Causes serious eye irritation
H400: Very toxic to aquatic life

Precautionary statements

P264: Wash hands and face thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.
P301+P312+P330: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338 +P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P337+ P313: If eye irritation persists: Get medical advice
P391: Collect spillage.
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 Nitrite:	7632-00-0	20%
Water:	NA	80%

SECTION 4: FIRST AID MEASURES

Swallowed Rinse mouth thoroughly with water. Do NOT induce vomiting. Seek medical attention if irritation, discomfort or vomiting persists.

Eye	Protect unexposed eye. Irrigate with copious quantity of water for 15 minutes. Remove contact lenses if present and easy to do. Seek medical assistance if symptoms persist.
Skin	Remove contaminated clothing and wash before re-use. Wash affected areas with copious quantities of water immediately. If irritation occurs seek medical advice.
Inhaled	Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position in fresh air.
Advice to Doctor	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, nausea, headache, shortness of breath

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 a non-combustible, chemical itself does not burn but can cause corrosive and or toxic fumes.
Extinguishing Media	Use dry chemicals, carbon dioxide, water, foam. Water spray may be used to keep fire exposed containers cool.
Hazards Products of Combustion	Can produce irritating, tosix and or corrosive gases if expose to heat or fire and can built oxides of nitrogen and oxides of sodium.
Fire and Explosion Hazard	Container can explode when heated.

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. Protective clothing will only provide limited protection. At high temperatures under fire conditions, it may produce toxic or irritating fumes. Contain runoff from

fire control or dilution water- runoff may cause pollution.

Hachem Code No information available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and Emergency Procedures

Always wear protective equipment when handling the substance and ensure adequate ventilation. Contain spilled material by diking or using absorbent. Keep unprotected people away. Avoid breathing vapour and contact with eyes and skin.

Personnel involved in the cleanup should wear full protective clothing.

Eliminate all sources of ignition. Increase ventilation. 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.

Environmental precautions Prevent from reaching drains, sewers, or waterways. Collect contaminated soil for characterization per section 13.

Methods and Materials for Containment and Clean Up

Wear protective clothing. Cover with an inert, non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Transfer to a suitable, labeled waste container and hold for safe disposal. Wash spill area with plenty of water after removing the spill. Neutralising agent: Sodium carbonate. 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 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 cool, dry and ventilated area away from heat sources and protected from sunlight. Keep container tightly closed and in its original container. Keep air contact to a minimum. Do not leave the material container open.

	Incompatible materials: Combustibles, reducing agents, acids, cyanates and ammonium salts.
Container Type	Store in original packaging as approved by manufacturer.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters	No specific exposure standards are available for this substance.

Appropriate Engineering Controls Preferent use local exhaust ventilation to minimise the exposures.

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 are recommended to prevent contact with eyes.
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 after handling.
Biological Values	No information available
Exposure Limits	No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Characteristic
Vapor Pressure	No data available
Vapor Density	No data available
Boiling Point	No data available
Melting Point/Freezing point	No data available
Solubilities	Soluble in water
Specific Gravity/ Relative Density	1.16- 1.19
Flash Point	No data available

pH	2-3
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Ignition Temperature	No data available
Specific Heat Value	No data available
Particle Size	No data available
Volatile Organic Compounds	No data available
Evaporation Rate	No data available
Viscosity	No data available
Percent Volatile	No data available
Octanol/Water partition coefficient	No data available
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
Chemical formula	NaNO2

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Stable at recommended storage conditions.

Incompatible Materials Combustibles, reducing agents, acids, cyanate, ammonium salts.

Hazardous Decomposition products Fire or heat can develop irritating, corrosive and/ or toxic gases like oxides of Nitrogen, oxides of Sodium.

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

Conditions to avoid Protect for heat and sources of ignition.

SECTION 11: TOXICOLOGICAL INFORMATION

Moderate Toxicity:

Ingestion (Component: Sodium Nitrite)	85 mg/kg oral	LD50 rats

General information:

Eye Corrosion/ Irritation	Causes serious eye damage.
Respiratory/ skin Irritation	Causes slight skin irritation.
Single Target Organ Toxicity (STOT) single expose	Inhalation of high concentration can cause respiratory tract irritation and can attack the central nervous system.
Single Target Organ Toxicity (STOT) repeat expose	Repeated oral exposure is methemoglobinemia.
Carcinogenicity	Under certain circumstances it can form carcinogenic N nitrosco compounds.
Gem Mutagenicity	Under certain circumstances it can form mutagenic N nitrosco compounds.
Reproductive Toxicity	Low reproductive toxicity in animals.
Aspiration toxicity	No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No information available

Environmental fate Very toxic 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 3082
Shipping Name: Sodium Nitrite 20%
Dangerous Goods Class 9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk No data available
Pack Group III
Hazchem Code 3Z
EPG 47 Low to moderate hazard substances

EMS F-A, S-F
Special precautions for user No data available
*As per ADG Code, IATA DGR and IMDG Code

SECTION 15: REGULATORY INFORMATION

Sodium Nitrite is listed in schedule 6 of the SUSMP, in preparations containing 40% or less of Sodium Nitrite.

Poisons Schedule (AUST) 6

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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