Safety Data Sheet

According to CFR1910/1200 and GHS Rev.10
Effective Date: 05 February 2024

Product Name: Sodium Bicarbonate

Not classified for physical or health hazards under GHS

Section 1: IDENTIFICATION OF SUBSTANCE AND OF THE SUPPLIER

Product Name	Sodium Bicarbonate
Other Names	Baking soda, Sodium hydrogen carbonate, Carbonic acid monosodium salt
CAS No.:	144-55-8
Product Code & Size	20KSBC, 20kg
Recommended Uses	Water and waste treatment
Company Name	Viva Blue 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	**NON** hazardous chemical according to GHS (Globally Harmonized System)
Hazard Category	Not applicable
Signal word:	Not applicable
Hazard Statements	Not applicable
Precautionary Statements	Not applicable

Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	**CAS Number**	**Proportions**
Sodium Bicarbonate	144-55-8	≤ 100%

Section 4: FIRST AID MEASURES

Swallowed	Rinse mouth, then drink plenty of water. Do not induce vomiting. Seek medical advice if irritation, discomfort or vomiting persists.
Eye	Immediately flush eyes with plenty of water for several minutes. Remove contact lenses if able to do so and continue rinsing. Seek Medical advice if discomfort or irritation persists.
Skin	Remove any contaminated clothing and wash the affected area with soap and water before reuse. Rinse/Flush exposed skin gently using water for several minutes. Seek Medical advice if discomfort or irritation persists.
Inhaled	Move exposed individual to fresh air. Loosen clothing as necessary and position the individual in a comfortable position. Seek medical advice if discomfort or irritation persists.
Advice to Doctor	Treat symptomatically based on individual reactions of patient and judgment of the doctor. Ensure that medical personnel are aware of the material involved and provide SDS documents.

Section 5: FIRE FIGHTING MEASURES

Flammability Conditions This product is non-combustible and can be used as dry powder extinguishing medium.

Extinguishing Media In case of fire, use extinguishing media that are appropriate to current circumstances and environment.

Hazard Products of Combustion Fire may produce irritating and toxic gases including oxides of Carbon and oxides of Sodium.

Fire and Explosion Hazard Decomposes on heating, toxic fumes may occur.

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.

Additional Information (precautions)

Move product containers away from the fire or keep cool with water spray as a protective measure, where feasible. Contain runoff from fire control or dilution water- Runoff may cause pollution.

Hazchem Code Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and Emergency Procedures

Always wear protective equipment when handling the substance and ensure adequate ventilation.

Eliminate all sources of ignition like no smoking, sparks or flames.

Do not walk through or touch spilled material, protect skin, eyes and clothing and avoid dust formation. Immediately isolate the affected area.

Environmental precautions Prevent from reaching drains, sewers, or waterways.

Methods and Materials for Containment and Clean Up

Pick up the spill and use a suitable container for disposal and label the container. Do not flush into sewer system.

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, gloves and safety glasses. Do not breathe dust.

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.

Conditions for Safe Storage including and incompatibilities

Store in a cool, dry, well-ventilated area and out of direct sunlight. Keep containers tightly closed. Protect against physical damage and moisture. Keep away from incompatible substances.

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

Use local exhaust ventilation to keep exposure to a minimum.

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 is recommended to prevent contact with eyes.

Work hygienic practices Do not eat, drink, or smoke when handling the substance. Wash hands after handling and wash contaminated clothing after reuse. Don’t remove contaminated clothing from the workplace.

Biological Limit Values No information available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline, white powder or granules
Odour	Odourless
Vapor Pressure	No data available
Vapor Density	No data available
Boiling Point	Decomposes
Melting Point/Freezing point	Decomposes
Solubility	Soluble in water, insoluble in alcohol
Specific Gravity	2.16
Flash Point	Not Determined
pH	2.0 - 5.0 (1% solution)
Corrosion Rate	No data available
Auto Ignition Temperature	No data available
Specific Heat Value	No data available
Particle Size	No data available
Bulk density	0.5-1.3 kg/dm3
Evaporation Rate	No data available
Viscosity	No data available
Percent Volatile	No data available
Partition Coefficient	No data available
Saturated Vapor Concentration	No data available
Molecular weight	84.01 g/mol
Octanol Water Coefficient	No data available
Decomposition temperature	No data available
Potential for dust explosion	No data available
Non-Flammables that could contribute unusual hazards to a fire	No data available
Flame propagation or burning rate of solid materials	No data available

Fast or intensely burning characteristic	No data available
Properties that may initiate or contribute to fire intensity	This product is non-combustible
Reactions that release gases or vapours	Decomposes on heating, emitting toxic fumes, including oxides of Carbons and Sodium
Release of invisible flammable vapours and gases	No data available

Section 10: STABILITY AND REACTIVITY

Chemical Stability The substances is stable under recommended storage conditions.

Incompatible Materials Incompatible with acids, Aluminum (tarnishes).

Hazardous Decomposition Products Decomposes on heating, emitting toxic fumes, including oxides of Carbons and Sodium

Hazardous Polymerisation Product will not undergo polymerization.

Conditions to Avoid Avoid contact with incompatible materials. Avoid exposure to moisture and dust formation.

Section 11: TOXICOLOGICAL INFORMATION

General information:

Ingestion	Acute toxicity (oral): LD50, rat: 4220 mg/kg
Skin and Eye Contact	May causes skin and eye irritation.
Respiratory irritation	May caused due to dust formation
Single Target Organ Toxicity (STOT) single expose	No information available
Single Target Organ Toxicity (STOT) repeat expose	No information available
Carcinogenicity	None
Gem Mutagenicity	No information available
Aspiration toxicity	No information available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Persistence/ Degradability	Product dissociates rapidly to corresponding ions on contact with water
Mobility in Soil	High mobility (water, soil)
Environmental Exposur	Prevent entry into drains and waterways
Bio accumulative Potential	Does not bioaccumulate

Section 13: DISPOSAL CONSIDERATIONS

Disposal Dispose waste according to all local, state, and federal regulations.

Special Precautions for Land Fill Dispose contaminated packaging as per unused product

Section 14: TRANSPORT INFORMATION*

UN Number	Not applicable
Shipping Name:	Sodium Bicarbonate
Dangerous Goods Class	Non Dangerous Goods
Subsidiary Risk	Not applicable
Pack Group	Not applicable
Hazchem Code	Not applicable
EPG	Not applicable
EMS	Not applicable
Special precautions for user	Not applicable

*As per ADG Code, IATA DGR and IMDG Code

Section 15: REGULATORY INFORMATION

Not regulated as dangerous goods according to Australia Code for the transport of dangerous goods by road and rail (ADG Code) in packaging.

General information	No data available
Poisons Schedule (AUST)	Not applicable

Section 16: CONTACT POINT

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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