

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

Product Name

SODIUM BICARBONATE (ALL GRADES)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Other means of identification : VERA25C

NATRIUM Soda blast Media
NATRIUM 30
NATRIUM 150
NATRIUM 220
NATRIUM 260
NATRIUM 300

Synonyms Sodium bicarbonate; Bicarbonate of soda; Sodium acid Carbonate; Carbonic acid; Monosodium salt

Recommended use : Media used in pressurized blast equipment for cleaning and coating removal

Supplier : Dana-Ridge
12/67 Bancroft Road
Pinkenba QLD 4008
Australia

Manufacturer : Natrium Products Inc.
58 Pendleton Street
Cortland, NY 13045
USA

Emergency telephone number : Dana-Ridge (Australia) – 1800 806 316

Emergencies (US and Canada):
General enquiries (607) 753-9829
CHEMTREC (Customer Number 724993)
(800) 424-9300 or 703-527-3887 (collect)

Issuing date : 04.10.2022

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

SECTION 2: HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Based on available information, not classified as hazardous according to Safe Work Australia; NON-HAZARDOUS CHEMICAL.

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

Classification of the chemical:

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations: Acute Oral Toxicity - Category 5

Skin corrosion/irritation - Category 3 Eye damage/irritation - Category 2B

Poisons Schedule (SUSMP): None allocated.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Carbonic acid, monosodium salt	144-55-8	>=95.00%

SECTION 4: FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

Skin Contact:

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire use: Extinguishing media appropriate to surrounding fire conditions.

Specific hazards arising from the chemical:

Non-combustible material.

Special protective equipment and precautions for fire-fighters:

Decomposes on heating emitting toxic fumes, including those of oxides of carbon. Fire fighters to wear self-

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures/Environmental precautions:

If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Avoid breathing in dust. Work up wind or increase ventilation. Collect and seal in properly labelled containers or drums for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

Avoid skin and eye contact and breathing in dust.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place. Maximum storage temperature: 50°C. Keep containers sealed as material may absorb moisture. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for particulates:

Dusts not otherwise classified: 8hr TWA = 10 mg/m³

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.



Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Crystalline Powder
Colour:	White
Odour:	Odourless
Molecular Formula:	NaHCO ₃
Solubility:	Soluble in water.
Specific Gravity:	2.16 kg/dm ³
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not applicable
Melting Point/Range (°C):	300
Decomposition Point (°C):	>50
pH:	8.4 (84 g/L water at 25°C)

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No information available
Chemical stability:	Stable under normal conditions of use.

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

Possibility of hazardous reactions:

None known.

Conditions to avoid:

Avoid dust generation. Avoid exposure to moisture.
Avoid temperatures above 50 °C.

Incompatible materials:

Incompatible with strong acids, strong oxidising agents.

Hazardous decomposition products:

Oxides of carbon. Oxides of sodium.

SECTION 11: TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected; however, large amounts may cause nausea and vomiting.

Eye contact: A mild eye irritant.

Skin contact: Contact with skin will result in mild irritation.

Inhalation: Breathing in dust may result in respiratory irritation.

Acute toxicity:

Oral LD50 (rat): 4220 mg/kg

Skin corrosion/irritation: Mild irritant (human).

Serious eye damage/irritation: Mild irritant (rabbit).

Respiratory or skin sensitisation:

No information available.

Chronic effects: Not listed as carcinogenic according to the International Agency for Research on Cancer (IARC).

Aspiration hazard: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Avoid contaminating waterways

Persistence/degradability:

No information available.

Bio accumulative potential:

Does not bioaccumulate.

Mobility in soil:

High mobility in soil.

48hr EC50 (Daphnia magna):

4100 mg/L

96hr LC50 (bluegill sunfish):

7100 mg/L

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Dispose of contents and container in accordance with local, regional, national, international regulations.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

SECTION 15 REGULATORY INFORMATION

Classification:

Based on available information, not classified as hazardous according to Safe Work Australia; NON-HAZARDOUS CHEMICAL.

Classification of the chemical:

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Acute Oral Toxicity	Category 5
Skin corrosion/irritation	Category 3
Eye damage/irritation	Category 2B

Poisons Schedule (SUSMP): None allocated.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

SAFETY DATA SHEET – VERA25C - SODIUM BICARBONATE

Section: 16. OTHER INFORMATION

Issuing date : **04.10.22**
version : **2.0**
Prepared by **Dana-Ridge**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.