

# SAFETY DATA SHEET

## VALUE PLUS BI CARBONATE SODA

### SECTION 1 IDENTIFICATION

**Product Name:** VALUE PLUS BI CARBONATE SODA  
**Company Product Code:** VAL0600, VAL0601, VAL0602  
**Other Names:** BI-CARB SODA; CARBONIC ACID MONOSODIUM SALT; SODIUM HYDROGEN CARBONATE; SODIUM HYDROEGNCARBONATE  
**Recommended Use/Restrictions:** Glass industry, detergent, environmental protection, chemical industry, purifying flue gas, water treatment, foaming agents.  
**Company:** Pet Brands Connect Pty Ltd  
**Address:** 6 Interchange Drive, Eastern Creek NSW 2766  
PO Box 335, Horsley Park NSW 2175  
W: www.valueplus.net.au E: info@petbrandsconnect.com.au  
**Telephone Number:** +61 (0)2 8868 8688 (Mon-Fri 9:00am – 5:00pm)  
**Fax Number:** +61 (0)2 8868 8647  
**Emergency Telephone Number:** Poisons Information Centre 13 11 26

### SECTION 2 HAZARDS IDENTIFICATION

**Hazard Classification:** NOT Hazardous according to criteria of NOHSC/ASCC.  
**Signal Word:** No data available  
**Hazard Statement:** No data available  
**Precautionary Statement:** No data available

### SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

#### INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
SODIUM BICARBONATE	144-55-8	>99.30

### SECTION 4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

#### Swallowed:

*Necessary First Aid Measures -* Rinse mouth with water. Give water to drink. Do NOT induce vomiting.  
*Symptoms Caused by Exposure -* Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

*Medical Attention and Special Treatment -* If large amounts have been swallowed, seek medical attention. Treat symptomatically based on judgement of doctor and individual reactions of patient.

#### Eye:

*Necessary First Aid Measures -* Immediately flush eyes with plenty of water holding eyelids open.  
*Symptoms Caused by Exposure -* Mechanical irritation from the particulates generated by the product.  
*Medical Attention and Special Treatment -* If irritation persists, seek medical attention. Treat symptomatically based on judgement of doctor and individual reactions of patient.

#### Skin:

*Necessary First Aid Measures -* Remove contaminated clothing. Flush affected area with plenty of water.  
*Symptoms Caused by Exposure -* Mechanical irritation from the particulates generated by the product.  
*Medical Attention and Special Treatment -* If irritation persists, seek medical attention. Treat symptomatically based on judgement of doctor and individual reactions of patient.

#### Inhaled:

*Necessary First Aid Measures -* Remove victim from exposure to fresh air.  
*Symptoms Caused by Exposure -* Mechanical irritation from the particulates generated by the product.  
*Medical Attention and Special Treatment -* If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems occur. Treat symptomatically based on judgement of doctor and individual reactions of patient.

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### SECTION 5 FIRE FIGHTING MEASURES

- Suitable Extinguishing Equipment:** In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.
- Specific Hazards Arising from the Chemical:** Non-combustible solid. Incompatible with acids and sources of ignition. Hazardous decomposition products are unknown.
- Special Protective Precautions and Equipment for Fire Fighters:** Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures:** Avoid accidents, clean up immediately. Slippery when spilt. Personnel involved in the clean up should wear full protective clothing as listed in section 8. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area.
- Environmental Precautions:** Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
- Methods and Materials for Containment and Clean Up:** Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled waste container and dispose of promptly. Once pick up is complete, flush spill site with plenty of water to eliminate any residue preventing run-off from entering drains.

### SECTION 7 HANDLING AND STORAGE

- Precautions for Safe Handling:** Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.
- Conditions for Safe Storage (Including Any Incompatibles):** Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- National Exposure Standards:** No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m<sup>3</sup> (for inspirable dust) and 3mg/m<sup>3</sup> (for respirable dust).
- Biological Monitoring:** No information available on biological limit values for this product.
- Control Banding:** Not applicable
- Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

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**Individual Protection Measures:**

<i>Eye and Face Protection -</i>	Safety glasses with side shields (AS1336/1337).
<i>Skin Protection -</i>	Wear rubber or PVC gloves (AS2161).
<i>Respiratory Protection -</i>	Wear a P1 particulate respirator when handling this product (AS1715/1716).
<i>Thermal Hazards -</i>	Long-sleeved protective clothing and safety footwear (AS3765/2210).

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White Crystalline Powder
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	Not available
<b>pH:</b>	8.5 (52g/L)
<b>Melting Point:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Flammability or Explosive Limits:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable
<b>Vapour Density:</b>	Not applicable
<b>Relative Density:</b>	Not applicable
<b>Solubility:</b>	96g/L (20°C)
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto Ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	>60°C
<b>Viscosity:</b>	1.2mPa.s

**SECTION 10 STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Data not available.
<b>Chemical Stability:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization has not been reported.
<b>Conditions to Avoid:</b>	Avoid excessive heat, generating dust, direct sunlight, moisture and high temperatures.
<b>Incompatible Materials:</b>	Incompatible with acids and sources of ignition.
<b>Hazardous Decomposition Products:</b>	Hazardous decomposition products are unknown.

**SECTION 11 TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity:</b>	Oral LD50 Rat: >4000mg/Kg Inhalation LC50 Rat: >4.74mg/L Skin Irritation Rabbit: Mild skin irritation Eye Irritation Rabbit: Mild eye irritation
<b>Skin Corrosion/Irritation:</b>	Mechanical irritation from the particulates generated by the product.
<b>Serious Eye Damage/Irritation:</b>	Mechanical irritation from the particulates generated by the product.
<b>Respiratory or Skin Sensitisation:</b>	Mechanical irritation from the particulates generated by the product.
<b>Germ Cell Mutagenicity:</b>	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
<b>Carcinogenicity:</b>	No data available
<b>Reproductive Toxicity:</b>	Oral route (gavage), 10 days, Various Species, 330mg/Kg, Did not show teratogenic effects in animal experiments.
<b>Specific Target Organ Toxicity – Single Exposure:</b>	No data available
<b>Specific Target Organ Toxicity – Repeated Exposure:</b>	No data available

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<b>Aspiration Hazard:</b>	Mechanical irritation from the particulates generated by the product.
<b>Possible Routes of Exposure:</b>	No data available
<b>Early Onset Symptoms Related to Exposure:</b>	No data available
<b>Delayed Health Effects From Exposure:</b>	No data available
<b>Exposure Levels and Health Effects:</b>	No data available
<b>Interactive Effects:</b>	No data available
<b>Other Information:</b>	No data available

### SECTION 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Fishes, <i>Oncorhynchus mykiss</i> , LC50/96hr : 7700mg/L Fishes, <i>Oncorhynchus mykiss</i> , NOEC/96hr : 2300mg/L Fishes, <i>Lepomis macrochirus</i> , LC50/96hr : 7100mg/L Fishes, <i>Lepomis macrochirus</i> , NOEC/96hr : 5200mg/L Crustaceans, <i>Daphnia magna</i> , EC50/48hr : 4100mg/L Crustaceans, <i>Daphnia magna</i> , NOEC/48hr : 3100mg/L
<b>Persistence and Degradability:</b>	ABIOTIC DEGRADATION: - Water, hydrolyses Result: acid/base equilibrium as a function of pH Degradation Products: Carbonic acid/bicarbonate/carbonate BIODEGRADATION: - Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.
<b>Bioaccumulative Potential:</b>	No information available on bioaccumulation for this product.
<b>Mobility in Soil:</b>	No information available on mobility for this product.
<b>Other Adverse Effects:</b>	Do NOT let product reach waterways, drains and sewers. RESULTS OF PBT ASSESSMENT: - Sodium Bicarbonate is not considered a PBT substance.

### SECTION 13 DISPOSAL CONSIDERATIONS

<b>Disposal Containers and Methods:</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Packaging must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
<b>Physical/Chemical Properties that May affect Disposal Options:</b>	If recycling is not practicable, dispose of in accordance with local regulations, or, dilute with plenty of water. Neutralise with acid.
<b>Effects of Sewerage Disposal:</b>	No data available
<b>Special Precautions for Incineration/Landfill:</b>	Contact a specialist disposal company or the local waste regulator for advice.

### SECTION 14 TRANSPORT INFORMATION

<b>UN Number:</b>	Not applicable
<b>Shipping Name:</b>	SODIUM BICARBONATE
<b>Transport Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards for Transport Purposes:</b>	No data available
<b>Precaution for User:</b>	No data available
<b>Additional Information:</b>	No data available
<b>HAZCHEM or Code:</b>	Not applicable

### SECTION 15 REGULATORY INFORMATION

<b>Subject to the Following International Agreements:</b>		
<b>AICS Name</b>	CARBONIC ACID, MONOSODIUM SALT	
<b>ERMA Approval Code</b>	Not hazardous according to the HS (Minimum degrees of hazard) Regulations 2001	
<b>APVMA Number:</b>	Not applicable	

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### SECTION 16

### OTHER INFORMATION

**Date of Preparation / Revision: January 2015**

**Changes Made During Revision:**

This SDS is prepared in accordance to the "Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011".

**This SDS contains only safety related information. For other data see product literature.**

**Acronyms/Abbreviations:**

<	less than
>	greater than
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ADG</b>	Australian Dangerous Goods Code
<b>CAS</b>	Chemical Abstracts Service (Registry Number)
<b>CO2</b>	Carbon Dioxide
<b>COD</b>	Chemical Oxygen Demand
<b>ERMA</b>	Environmental Risk Management Authority
<b>HSNO</b>	Hazardous Substance and New Organism
<b>IATA</b>	International Air Transport Association
<b>IDLH</b>	Immediately Dangerous to Life and Health
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>LC50</b>	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
<b>LD50</b>	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
<b>Misc</b>	miscible
<b>N/A</b>	Not Applicable
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>OECD</b>	Organization for Economic Co-operation and Development
<b>PEL</b>	Permissible Exposure Limit
<b>RCP</b>	Reciprocal Calculation Procedure
<b>STEL</b>	Short Term Exposure Limit
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average
<b>UN</b>	United Nations (number)
<b>cm<sup>2</sup></b>	square centimetres
<b>deg C ( °C )</b>	degrees Celsius
<b>g</b>	gram
<b>g/cm<sup>3</sup></b>	grams per cubic centimetre
<b>g/l</b>	grams per litre
<b>immiscible</b>	liquids are insoluble in each other
<b>kg</b>	kilogram
<b>kg/m<sup>3</sup></b>	kilograms per cubic metre
<b>ltr</b>	Litre
<b>m<sup>3</sup></b>	cubic metre
<b>mPa.s</b>	milli Pascal per second
<b>mbar</b>	millibar
<b>mg</b>	milligram
<b>mg/24H</b>	milligrams per 24 hours
<b>mg/kg</b>	milligrams per kilogram
<b>mg/m<sup>3</sup></b>	milligrams per cubic metre
<b>miscible</b>	liquids form one homogeneous liquid phase regardless of the amount of either component present
<b>mm</b>	millimetre
<b>ppb</b>	parts per billion
<b>ppm</b>	parts per million
<b>ppm/2h</b>	parts per million per 2 hours

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ppm/6h	parts per millionper 6 hours
tne	tonne
ug/24H	micrograms per 24 hours
wt	weight

This MSDS summarises Pet Brands Connect P/L best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Pet Brands Connect P/L expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the SDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

**END OF SDS**