

SAFETY DATA SHEET

VALUE PLUS GLAUBER SALTS

SECTION 1 IDENTIFICATION

Product Name: VALUE PLUS GLAUBER SALTS
Company Product Code: VAL2830, VAL2831, VAL2832
Other Names: GLAUBER'S SALT; SODIUM SULPHATE ANHYDROUS; SODIUM SULPHATE; DISODIUM SULPHATE; ANHYDROUS SODIUM SULPHATE; SUPHURIC ACID, DISODIUM SALT

Recommended Use/Restrictions: Manufacture of kraft paper, paperboard and glass, filler in synthetic detergents, sodium salts, ceramic glazes, processing textile fibers, dyes, tanning, pharmaceuticals, freezing mix, laboratory reagent, food additive.

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: Warning
Hazard Statement: H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary Statement: P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling
P280 Wear eye protection

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
SODIUM SULPHATE	7757-82-6	90.0-100.0

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 - Larger doses may produce nausea, vomiting and diarrhoea.
Medical Attention and Special Treatment - If symptoms develop, seek medical attention.

Eye:

Necessary First Aid Measures - Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open.
Symptoms Caused by Exposure - May be irritating to eyes. Dust may cause mechanical irritation.
Medical Attention and Special Treatment - In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Skin:

Necessary First Aid Measures - Remove contaminated clothing. Flush affected area with plenty of water.
Symptoms Caused by Exposure - Prolonged skin contact may be irritating. Slightly toxic by skin absorption.
Medical Attention and Special Treatment - If irritation persists, seek medical attention.

Inhaled:

Necessary First Aid Measures - Remove victim from exposure to fresh air.
Symptoms Caused by Exposure - Breathing in dust may result in respiratory irritation.
Medical Attention and Special Treatment - If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if effects persist.

SAFETY DATA SHEET

VALUE PLUS GLAUBER SALTS

SECTION 5 FIRE FIGHTING MEASURES

- Suitable Extinguishing Equipment:** In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Use water fog (or if unavailable fine water spray) foam or dry chemical powder.
- Specific Hazards Arising from the Chemical:** Non-combustible solid. Not considered a fire hazard. Avoid generating dust. Incompatible with strong oxidizing agents, mineral acids, bases, in combination with sodium sulfate, aluminium and magnesium, and sources of ignition. Violent explosions can occur when potassium sulfate and sodium sulfate are melted with aluminium. When involved in a fire, this product may generate oxides of sulphur and sodium.
- 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:** Personnel involved in the clean up should wear full protective clothing. Avoid accidents, clean up immediately. 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. Reduce airborne dust and prevent scattering by moistening with water.
- 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 container and hold for safe disposal.

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. No hook used when handling. Isolate from incompatible substances.
- 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. Protect from direct sunlight, air, moisture and static discharges. Prolonged storage may result in lumping or caking. Avoid moisture and rain contamination. Product is extremely hygroscopic. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.

SAFETY DATA SHEET

VALUE PLUS GLAUBER SALTS

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 ³ (for inspirable dust) and 3mg/m ³ (for respirable dust). NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These 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 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.
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.
Individual Protection Measures:	
<i>Eye and Face Protection -</i>	Safety glasses with side shields (AS1336/1337).
<i>Skin Protection -</i>	Wear protective gloves (AS2161).
<i>Respiratory Protection -</i>	Wear an effective dust mask where dusts/vapours are generated and engineering controls are inadequate (AS1715/1716).
<i>Thermal Hazards -</i>	Long-sleeved protective clothing and safety footwear (AS3765/2210).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Solid, fine granules or powder
Odour:	Odourless
Odour Threshold:	Not available
pH:	Not applicable
Melting Point:	844°C deg C
Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability:	Product is a non-flammable solid
Flammability or Explosive Limits:	Not applicable
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Relative Density:	Not applicable
Solubility:	Soluble
Partition coefficient: n-octanol/water:	Not available
Auto Ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Viscosity:	0%

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Product is stable under normal conditions of use, storage and temperature. Product is extremely hygroscopic. Its accessibility makes it easily become monohydrated salt when it is exposed to the air.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur. Can react explosively with magnesium and aluminium on heating.
Conditions to Avoid:	Avoid excessive heat, direct sunlight, generating dust, moisture, air, static discharges, open flame and high temperatures.

SAFETY DATA SHEET

VALUE PLUS GLAUBER SALTS

Incompatible Materials:	Incompatible with strong oxidizing agents, mineral acids, bases, in combination with sodium sulfate, aluminium and magnesium, and sources of ignition. Violent explosions can occur when potassium sulfate and sodium sulfate are melted with aluminium. Avoid exposure to air.
Hazardous Decomposition Products:	When involved in a fire, this product may generate oxides of sulphur and sodium.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD50 Rat: 5989mg/Kg
Skin Corrosion/Irritation:	Prolonged skin contact may be irritating. Slightly toxic by skin absorption.
Serious Eye Damage/Irritation:	May be irritating to eyes. Dust may cause mechanical irritation.
Respiratory or Skin Sensitisation:	Breathing in dust may result in respiratory irritation.
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity – Single Exposure:	Mildly toxic by ingestion. Slowly absorbed from the alimentary tract. May cause gastro-intestinal irritation. Because of osmotic activity, this product will draw water into the lumen of the bowel and may cause purging, fluid loss, blood in stools, fall of blood pressure and high sodium levels in the blood. Larger doses may produce nausea, vomiting and diarrhoea.
Specific Target Organ Toxicity – Repeated Exposure:	No data available
Aspiration Hazard:	Breathing in dust may result in respiratory irritation.
Possible Routes of Exposure:	No data available
Early Onset Symptoms Related to Exposure:	No data available
Delayed Health Effects From Exposure:	No data available
Exposure Levels and Health Effects:	No data available
Interactive Effects:	No data available
Other Information:	Not applicable

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	Daphnia Magna EC50/48hr : >100mg/L Fish LC50/96hr : >100mg/L
Persistence and Degradability:	When released into soil, this product is expected to leach into ground water
Bioaccumulative Potential:	This material is not expected to significantly bioaccumulate.
Mobility in Soil:	No information available on mobility for this product. Soluble in water.
Other Adverse Effects:	Avoid contaminating waterways, drains and sewers. Not expected to be harmful to aquatic life.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Containers and Methods:	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.
Physical/Chemical Properties that May affect Disposal Options:	No data available
Effects of Sewerage Disposal:	No data available
Special Precautions for Incineration/Landfill:	Contact a specialist disposal company or the local waste regulator for advice. This material may be suitable for approved landfill.

SECTION 14 TRANSPORT INFORMATION

UN Number:	Not applicable
Shipping Name:	SODIUM SULPHATE ANHYDROUS
Transport Hazard Class:	No data available

SAFETY DATA SHEET

VALUE PLUS GLAUBER SALTS

Packing Group: No data available
Environmental Hazards for Transport Purposes: No data available
Precaution for User: Not applicable
Additional Information: Not applicable
HAZCHEM or Code: Not applicable

SECTION 15 REGULATORY INFORMATION

Subject to the Following International Agreements:

AICS Name SULFURIC ACID, DISODIUM SALT

APVMA Number: Not applicable

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
AICS	Australian Inventory of Chemical Substances
ADG	Australian Dangerous Goods Code
CAS	Chemical Abstracts Service (Registry Number)
CO₂	Carbon Dioxide
COD	Chemical Oxygen Demand
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substance and New Organism
IATA	International Air Transport Association
IDLH	Immediately Dangerous to Life and Health
IMDG	International Maritime Dangerous Goods Code
LC₅₀	LC stands for lethal concentration. LC ₅₀ 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.
LD₅₀	LD stands for "Lethal Dose". LD ₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
Misc	miscible
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (number)
cm²	square centimetres
deg C (°C)	degrees Celsius
g	gram
g/cm³	grams per cubic centimetre
g/l	grams per litre
immiscible	liquids are insoluble in each other
kg	kilogram
kg/m³	kilograms per cubic metre
ltr	Litre

SAFETY DATA SHEET

VALUE PLUS GLAUBER SALTS

m3	cubic metre
mPa.s	milli Pascal per second
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m3	milligrams per cubic metre
miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
tne	tonne
ug/24H	micrograms per 24 hours
wt	weight

This SDS 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