



# Safety Data Sheet

## Special Purpose "SP"

### GAS DRY PEAK

### Chemical Desiccant



#### Section 1 – Product and Company Information

Date: March 14, 2014 Rev. C

**Product Name:** Special Purpose "SP" / Gas Dry Peak Chemical Desiccant  
**Chemical Family:** Inorganic Salt  
**Catalog Numbers:** 33-0328, 33-0283, 33-0206, 33-0229, 33-0254, 33-0326, 33-0374, 33-0205, & 33-0374  
**Product Use:** Industrial: Deliquescent desiccant to reduce moisture content of Compressed Natural Gas, Compressed Air and other Compressed Gasses

**Company Identification:** Van Air Systems / Van Gas Technologies  
 2950 Mechanic Street, Lake City, PA USA  
 16423-2095  
 E-mail: [info@vanairsystems.com](mailto:info@vanairsystems.com)  
[www.vanairsystems.com](http://www.vanairsystems.com) / [www.vangastech.com](http://www.vangastech.com)

**Emergency Telephone Number:** 800-840-9906  
**Customer Service Telephone Number:** 814-774-2631

#### Section 2 – Hazard Identification

**Color:** White to gray-white  
**Physical state:** Solid Tablets  
**Odor:** Odorless  
**Emergency Overview:** Avoid contact with skin and eyes. Avoid breathing dust. Reacts with water and liberates heat. Wash thoroughly with cold water after handling.  
**Signal Word:** **Warning!**  
**Hazard Pictogram:**



**Potential Health Effects:** May cause skin, eye and/or respiratory irritation.  
 May cause skin or eye burns.

**Health Hazards (acute and chronic):** None known.  
**Carcinogenicity:** Not available  
**NTP:** Not available  
**IARC Monographs:** Not available

**Signs and Symptoms of Exposure:** Skin dryness and burns due to desiccant action. Ingestion of large amounts may cause vomiting, diarrhea and prostration.

#### Section 3 – Composition / Information on Ingredients

Alkali chloride salt (Calcium Chloride) &gt; 75%

- 1) The ingredients and percentage of ingredients in SP / Gas Dry Peak is a trade secret.
- 2) SP / Gas Dry Peak does not contain hazardous ingredients.
- 3) SP / Gas Dry Peak does not contain any substances found on the following EPA regulations:
  - a. "Extremely Hazardous Substances"
  - b. "CERCLA Hazardous Substances"
  - c. "Toxic Substances"

#### Section 4 - First Aid Measures

**Eyes:** Flush with cold water for at least 15 minutes.

<b>Skin:</b>	Remove contaminated clothing. Wash with soap / water. Treat for dry skin.
<b>Inhalation:</b>	Move person to fresh air. If irritation persists, consult a Physician.
<b>Ingestion:</b>	If alert and not convulsing, rinse mouth with cold water. Consult a physician.
<b>Note to Physician:</b>	If burned treat as thermal burn. Treat symptomatically and supportively.

### Section 5 – Fire Fighting Measures

<b>Flammable Properties:</b>	Non-flammable
Flash Point:	Not applicable.
Method Used:	Not applicable
<b>Flammability Limits:</b>	Not applicable.
LEL:	Not applicable.
UEL:	Not applicable.
<b>Fire Fighting Instructions:</b>	Non-combustible. Do not use water directly on material.
<b>Extinguishing Media:</b>	Not applicable.
<b>Unusual Fire and Explosion Hazards:</b>	Under extreme heat and fire conditions, possibility of metal oxide fumes produced.

### Section 6 – Accidental Release Measures

<b>Small/Large Spills:</b>	Wear appropriate PPE (Section 8), minimize air borne spreading of dust, avoid getting tablets wet. Sweep, shovel or vacuum for disposal or reuse.
<b>Waste Disposal Method:</b>	Treat tablets as ordinary non-combustible solid waste. Solution is non-toxic and will not support plant or marine life.

### Section 7 – Handling and Storage

<b>Handling:</b>	Tablets are non-toxic. Minimize dust generation and use with adequate ventilation. NIOSH respiratory protection as needed for nuisance dust. Avoid contact with skin and eyes. Wash thoroughly after handling. Launder contaminated clothing before reuse.
<b>Storage:</b>	Observe all federal, state and local regulations when storing this product. Store in cool dry place. Keep containers tightly closed since material is hygroscopic. Repair damaged containers. Wash thoroughly after handling.

### Section 8 – Exposure Controls and Personal Protection

<b>Engineering controls:</b>	Provide good local ventilation. Facility should be equipped with eye wash station in immediate work area.
<b>Exposure Limits:</b>	None listed.
<b>Personal Protective Equipment (PPE)</b>	
<b>Respirators:</b>	Use NIOSH or EN 149 approved respirator if nuisance dust cannot be controlled.
<b>Hands and Feet:</b>	Non-leather chemical resistant gloves and chemical / slip resistant safety shoes.
<b>Eye Protection:</b>	Safety glasses with side shields or chemical safety goggles.
<b>Other Protective Clothing &amp; Equipment:</b>	Clean, body-covering skin protective clothing.
<b>Work/Hygienic Practices:</b>	Wash thoroughly with soap and cool water after handling.

### Section 9 – Physical and Chemical Properties

<b>Appearance and Odor:</b>	White to gray-white solid tablet, size ~ 1" diam. X 3/4", odorless.
<b>Bulk Density:</b>	55-58 lb/cubic foot

Vapor Pressure (mm Hg):	1.0mm Hg @ 68 °F
Melting Point: estimated	175-770°C
Vapor Density (Air=1):	Not applicable.
Solubility in Water:	40% @ 20°C with evolution of heat
Evaporation Rate (Butyl Acetate=1):	Not applicable.
Boiling Point: estimated	> 175-1930°C

### Section 10 – Stability and Reactivity

Stability (Conditions to avoid):	Stable under normal temperatures and pressures. Reacts exothermically with water. Avoid exposure to high RH atmosphere and water.
Decomposition Products:	None under normal conditions.
Incompatibility (Materials to avoid):	Strong oxidizing agents.
Hazardous Polymerization:	Will not occur under normal temperatures and pressure.
Conditions to Avoid:	Extreme heat

### Section 11 – Toxicological Information

	Toxicology data Anhydrous Calcium Chloride
Oral:	LD50, 1000 mg/kg rat TDLO, 112/kg, 20 weeks rat LDLO, 274 mg/kg, rat LD50, 264 mg/kg, interperitoneal, rat LD50, 1000 mg/kg, rat
Toxicity data:	Local effects – eye, mucous membrane and skin irritant Health effects – moderately toxic by ingestion. Slightly toxic by dermal adsorption
Carcinogen Status:	OSHA-No, NTP-No, IARC-No

### Section 12 - Ecological Information

Persistence and Biodegradability:	Biodegradation is not applicable.  No bio-concentration is expected because of the relatively high water solubility. Product will not bio accumulate.
-----------------------------------	---

### Section 13 – Disposal Considerations

Waste Disposal: All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The information presented here pertains only to the product as shipped in its intended condition as described in SDS section 3.

EPA Waste Number:	Not Applicable.
-------------------	-----------------

### Section 14 – Transport Information

U.S. Department of Transportation (D.O.T.)	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG – Canada)	
Class:	Not Regulated
Group:	Not Regulated
PIN Number:	Not Regulated
Other:	Secure product with suitable hold down devices during shipment in dry containers (avoid moisture).

## Section 15 – Regulatory Information

OSHA Hazard Communication Standard: This product is a “Non-Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and community Right-To-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

Reactive Hazard: Yes

Sudden Release of Pressure Hazard: No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and community Right-To-Know Act of 1986) Section 313: to the best of our knowledge, this product does not contain chemicals at levels 1% or greater which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List: To the best of our knowledge, this product does not contain chemical at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

U.S. Toxic Substances Control Act: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

CEPA- Domestic Substances List (DSL): all substances contained in this product are listed on the Canadian Domestic Substances list (DSL) or are not required to be listed.

## Section 16 – Other Information

**HMIS RATING (estimated)-** Health: 1 Flammability: 0 Reactivity: 1

**NFPA RATING (estimated)-** Health: 1 Flammability: 0 Reactivity: 1

Personal Protective Rating: B Legend: N.A. – Not Applicable, N.E. – Not Established, N.D. - Not Determined.

Recommended Uses and Restrictions: This product is designed to be used as a desiccant material for compressed air and gas streams. If your intended use is consistent with our stated uses(s), contact our technical sales department.

*The information contained herein is based on data considered to be accurate as currently available to the manufacturer. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Van Air Inc. assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Van Air Inc. assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes any and all risk in his or her use of the material. In no event shall Van Air Inc. be liable for any claims, losses, or damages of any Vendee or third party for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Van Air Inc. has been advised of the possibility of such damages by any and all forms of communication.*