



# Safety Data Sheet

## Dry-O-Lite®

### GAS DRY PRIME

### Chemical Desiccant



#### Section 1 – Product and Company Information

Date: March 14, 2014 Rev. C

**Product Name:** Dry-O-Lite® / Gas Dry Prime Chemical Desiccant

**Chemical Family:** Inorganic Salt

**Catalog Numbers:** 33-0203, 33-0284, 33-028, 33-0311, 33-0313, 33-0340, & 33-0287-XXX  
(XXX represents any alpha characters)

**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. Wash thoroughly with soap and water after handling.

**Signal Word:** **Warning!**

**Hazard Pictogram:**



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

**Health Hazards (acute and chronic):** None known.

Carcinogenicity: Not available

NTP: Not available

IARC Monographs: Not available

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

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

Alkali chloride salt (Sodium Chloride) > 75%

- 1) The ingredients and percentage of ingredients in Dry-O-Lite® / Gas Dry Prime is a trade secret.
- 2) Dry-O-Lite® / Gas Dry Prime does not contain hazardous ingredients.
- 3) Dry-O-Lite® / Gas Dry Prime 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

<b>Eyes:</b>	Flush with water for at least 15 minutes.
<b>Skin:</b>	Remove contaminated clothing / shoes. Wash with soap and water. Treat for dry skin.
<b>Inhalation:</b>	Move person to fresh air. If irritation persists, consult a Physician.
<b>Ingestion:</b>	<b>DO NOT</b> induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water, consult a Physician.
<b>Note to Physician:</b>	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.
<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>	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. Wash thoroughly after handling.
<b>Storage:</b>	Store in cool dry place. Keep containers tightly closed since material is hygroscopic. Repair damaged containers.

#### Section 8 – Exposure Controls and Personal Protection

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

#### Section 9 – Physical and Chemical Properties

<b>Appearance and Odor:</b>	White to gray-white solid tablet, size – 3/4" X 5/8", odorless.
<b>Bulk Density:</b>	72 lbs/cubic foot
<b>Vapor Pressure (mm Hg):</b>	Not applicable.
<b>Melting Point:</b>	Loses water of hydration @ 241-244°F
<b>Vapor Density (Air=1):</b>	Not applicable.

Solubility in Water:	Readily soluble.
Evaporation Rate (Butyl Acetate=1):	Not applicable.
Boiling Point:	> 1000°C

### Section 10 – Stability and Reactivity

Stability (Conditions to avoid):	Stable under normal temperatures and pressures. Avoid exposure to atmosphere; tablets will attract water.
Decomposition Products:	Magnesium compounds, chloride compounds, chlorine, chloride & sodium oxide when heated above 801° C (1474° F).
Incompatibility (Materials to avoid):	Strong oxidizing agents, strong acids.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Extreme heat and contact with incompatible chemicals (lithium, bromine tri-fluoride)

### Section 11 – Toxicological Information

Toxicology data are available for the highest value of any component.

Oral:	LD50, rat 3,000 mg/kg
Repeated Dose Toxicity:	Dose levels producing any effects in animals were many times higher than dose levels expected from exposure due to use.
Developmental Toxicity:	Did not cause birth defects or any other fetal effects in laboratory animals.
Genetic Toxicology:	In vitro genetic toxicity studies were negative.
Carcinogen Status:	N/A

### Section 12 - Ecological Information

Movement and Partitioning:	No bio-concentration is expected because of the relatively high water solubility. Partitioning from water to n-octanol is not applicable.
Persistence and Biodegradability:	Biodegradation is not applicable.
Eco-toxicity:	Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50>100mg/L in the most sensitive species tested).
Fish Acute and Prolonged Toxicity:	LC50, bluegill ( <i>Lepomis macrochirus</i> ) : 8,350-10,650 mg/l
Aquatic Invertebrate Acute Toxicity:	LC50, water flea ( <i>Daphnia magna</i> ) : 759-3,005 mg/l
Toxicity to Micro-Organisms:	EC50; activated sludge, respiration inhibition: >1,000 mg/l
Chemical Fate Information:	No product information is available.

### 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.
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### Section 14 – Transport Information

U.S. Department of Transportation (D.O.T.)	Not regulated as dangerous goods.
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IATA: Not regulated as dangerous goods. Per IATA DGR  
 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: No

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 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: 0

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

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. 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.*