Informational Safety Data Sheet

DRY-O-LITE®

GAS DRY PRIME

Chemical Desiccant

Section 1 – Product and Company Information

Date: August 27, 2019, Rev. i

Product Name: DRY-O-LITE® / Gas Dry Prime Chemical Desiccant

Chemical Family: Inorganic Salt

Catalog Numbers: 33-0203, 33-0284, 33-0311, 33-0313, 33-0340, 33-0403, 33-0313-XXX & 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.

Product Use Against: Not recommended for use with strong oxidizing agents or strong acids.

Company Identification:
Van Air Systems / Van Gas Technologies
2950 Mechanic Street, Lake City, PA USA
16423-2095

E-mail: info@vanairsystems.com
www.vanairsystems.com / www.vangastech.com

Emergency Telephone Number call Chemtel:
US, Canada, Puerto Rico 1-800-255-3924 (Van Air)
International +01-813-248-0585 (Van Air)

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:



This product is NOT classified as dangerous in the terms of the GHS. However, as for any chemical, normal safety and hygiene precautions during transport, handling and use should be observed.

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

COMPONENT / CAS NUMBER:
Sodium Chloride / CAS: 7647-14-5

1) The ingredients and percentage of ingredients in Dry-O-Lite® / Gas Dry Prime are 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

Eyes:	Flush with water for at least 15 minutes.
Skin:	Remove contaminated clothing / shoes. Wash with soap and water. Treat for dry skin.
Inhalation:	Move person to fresh air. If irritation persists, consult a Physician.
Ingestion:	**DO NOT** induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water, consult a Physician.
Note to Physician:	Treat symptomatically and supportively.

Section 5 – Fire Fighting Measures

Flammable Properties:	Non-flammable
Flash Point:	Not applicable.
Method Used:	Not applicable.
Flammability Limits:	Not applicable.
LEL:	Not applicable.
UEL:	Not applicable.
Fire Fighting Instructions:	Non-combustible.
Extinguishing Media:	Not applicable.
Unusual Fire and Explosion Hazards:	Under extreme heat and fire conditions, possibility of metal oxide fumes produced.

Section 6 – Accidental Release Measures

Small/Large Spills:	Sweep, shovel or vacuum for disposal or reuse.
Waste Disposal Method:	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

Handling:	Tablets are non-toxic. Minimize dust generation and use adequate ventilation. NIOSH respiratory protection as needed for nuisance dust. Gloves are recommended for proper handling. Wash any body parts contacted by desiccant thoroughly after handling.
Storage:	Store in cool dry place. Keep containers tightly closed since material is hygroscopic. Repair damaged containers.

Section 8 – Exposure Controls and Personal Protection

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

Section 9 – Physical and Chemical Properties

Appearance and Odor:	White to gray-white solid tablet, size – 3/4” X 5/8”, odorless.
Bulk Density:	72 lbs/cubic foot
Vapor Pressure (mm Hg):	Not applicable.
Melting Point:	Loses water of hydration @ 241-244 °F
Vapor Density (Air=1):	Not applicable.
Solubility in Water:	Readily soluble.
Evaporation Rate (Butyl Acetate=1):	Not applicable.

Boiling Point:	> 1000 °C
Odor Threshold:	N/A
PH:	N/A
Freezing Point:	N/A
Flash Point:	N/A
Flammability:	N/A
Explosive Limits:	N/A
Relative Density:	N/A
Partition Coefficient:	N/A
Auto-Ignition Temp:	N/A
Decomposition Temp:	N/A
Viscosity:	N/A

Section 10 – Stability and Reactivity

Reactivity:	No special reactivity reported.
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.

Skin	May cause mild skin irritation.
Eye	May cause mild eye irritation.
Inhalation	May cause mild respiratory irritation.
Oral:	LD_{50}, 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 (LC_{50}/EC_{50}>100 mg/L in the most sensitive species tested).
Fish Acute and Prolonged Toxicity:	LC_{50}, bluegill (Lepomis macrochirus) : 8,350-10,650 mg/l
Aquatic Invertebrate Acute Toxicity:	LC_{50}, water flea (Daphnia magna) : 759-3,005 mg/l
Toxicity to Micro-Organisms:	EC_{50}; 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 iSDS section 3.

EPA Waste Number: Not Applicable.

Section 14 – Transport Information

U.S. Department of Transportation (D.O.T.) Not regulated as dangerous goods.
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 statue.

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.

Definition: iSDS: "informational Safety Data Sheet" is a non-mandatory document pertinent to a product not classified as dangerous in the terms of the GHS, issued for information purposes only in the 16-section format of the GHS Safety Data Sheet.

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