



# Safety Data Sheet

## 4UF

### GAS DRY ULTIMATE Chemical Desiccant



#### Section 1 – Product and Company Information

Date: March 1, 2022 Rev. A

**Product Name:** 4UF / Gas Dry ULTIMATE Chemical Desiccant  
**Chemical Family:** Mixture  
**Catalog Numbers:** 33-0416  
**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)  
 Telephone: (814) 774-2631

**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 tablet  
**Odor:** Odorless

**Classification of substance or mixture:**

GHS Classification [EC Regulation No 1272/2008 and US OSHA regulations]  
 Acute Toxicity, Category 4  
 Serious Eye Damage, Category 2  
 Skin Corrosion Irritant, Category 2B

**Emergency Overview:**

**Prevention:** P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P260: Do not breathe mist/vapors/spray.  
 P264: Wash thoroughly after handling.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/eye protection/face protection.

**Response:** P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+361+353 IF ON SKIN(or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+313 IF exposed or concerned: Get medical advice/attention.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.

**Storage:** P405 Store locked up.  
**Disposal:** P501: Dispose of contents/container in accordance with local/national regulations.

**Signal Words:** Danger  
**Hazard Pictogram:**



**Potential Health Effects:** H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H320: Causes eye irritation.

**Health Hazards (acute and chronic):** None known.  
 Carcinogenicity: No  
 NTP: No  
 IARC Monographs: No

### Section 3 – Composition / Information on Ingredients

**Desiccant Mixture CAS Number:** **Proprietary-** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.  
 >75% by weight  
 Substance classified with a health or environmental hazard.

### Section 4 - First Aid Measures

**Eyes:** Causes eye irritation. Liquid, aerosols and vapors of this product may be irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Irrigate copiously with clean water for 15 minutes holding eyelids apart and seek medical attention.

**Skin:** Causes skin irritation. Allergic reactions are possible dependent on the individual. Passage of this material into the body through the skin is possible, which will add to the effects from ingestion and inhalation. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Inhalation:** May be irritating to mucous membranes and lung tissue. Move person to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen. Get medical attention if discomfort continues.

**Ingestion:** This material may be harmful or cause digestive discomfort if swallowed. Get medical attention immediately. If alert and not convulsing, rinse mouth with water. Do not give anything by mouth to an unconscious person. Place victim on left side with head down to prevent aspiration into lungs.

**Chronic information:** None.

**Primary routes of entry:** Skin absorption, inhalation, ingestion.

**General:** In all cases of doubt, seek medical attention.

### Section 5 – Fire Fighting Measures

<b>Extinguishing media:</b>	Product is Non-flammable. Use extinguishing media suitable for surrounding fire.
<b>Special hazards arising from the substance or mixture:</b>	None
<b>Fire Fighting Instructions:</b>	Do not use water directly on material.

### Section 6 – Accidental Release Measures

<b>Personal precautions:</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Environmental Precautions:</b>	Do not contaminate water sources or sewer. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Remove soiled clothing and wash thoroughly before use.
<b>Methods and material for containment and cleaning up:</b>	Extinguish any possible ignition source until area is determined to be free from fire or explosion hazard. Treat tablets as ordinary non-combustible, non-hazardous waste. Any solution of the tablets is nontoxic and will not support plant or marine life.

### Section 7 – Handling and Storage

<b>Handling:</b>	Handle all chemicals with care. Always keep in containers made of the same materials as the supply container.
<b>Storage:</b>	Keep away from heat, sparks, and flames. Keep containers tightly closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

### Section 8 – Exposure Controls and Personal Protection

<b>Engineering controls:</b>	Provide good local ventilation.
<b>Exposure Limits:</b>	None listed
<b>Respirators:</b>	Use NIOSH, EN 149, MSHA approved or CEN Class P Type respirator if engineering controls are not adequate to protect against dust.
<b>Skin:</b>	Wear overalls to keep skin contact to a minimum. When contact is likely wear chemical resistant gloves and boots.
<b>Eye Protection:</b>	Chemical safety glasses with side shields or goggles.
<b>Work/Hygienic Practices:</b>	Observe good industrial hygiene practices. Emergency eye wash stations and deluge showers should be available in the work area. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
<b>Proprietary Exposure Limit:</b>	None.
<b>Proprietary Carcinogen Data:</b>	None.

## Section 9 – Physical and Chemical Characteristics

<b>Appearance:</b>	White-Gray Tablet
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not measured
<b>pH:</b>	Not applicable
<b>Melting Point/freezing Point:</b>	Not applicable
<b>Boiling Point:</b>	Not measured
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not measured
<b>Flammability (solid, gas):</b>	No applicable
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability Limit - Upper (%):</b>	Not measured
<b>Flammability Limit - Lower (%):</b>	Not measured
<b>Vapor pressure:</b>	Not measured
<b>Vapor density (air=1):</b>	Not applicable
<b>Specific Gravity:</b>	Not measured
<b>Solubility in Water:</b>	Water soluble
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## Section 10 – Stability and Reactivity

<b>Reactivity:</b>	Hazardous Polymerization will not occur.
<b>Chemical Stability:</b>	Stable under normal circumstances.
<b>Possibility of Hazardous Reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Reacts exothermically with water. Avoid/minimize exposure to high humidity and water. Avoid temperature extremes.
<b>Incompatible Materials:</b>	Strong oxidizers.
<b>Hazardous Decomposition Products:</b>	None under normal conditions.

## Section 11 – Toxicological Information

### Information on toxicological effects:

<b>Acute toxicity Oral:</b>	May be harmful if swallowed (Not adopted by US OSHA)
<b>Acute toxicity Dermal:</b>	Not available
<b>Acute toxicity Inhalation:</b>	Not available
<b>Skin corrosion/irritation:</b>	Causes skin irritation
<b>Serious eye damage:</b>	Causes eye irritation
<b>Respiratory sensitization:</b>	Not applicable
<b>Skin sensitization:</b>	Not applicable
<b>Germ cell mutagenicity:</b>	Not applicable
<b>Carcinogenicity:</b>	Not applicable
<b>Reproductive toxicity:</b>	Not applicable
<b>STOT-single exposure:</b>	Not applicable
<b>STOT-repeated exposure:</b>	Not applicable
<b>Aspiration hazard:</b>	Not applicable

## Section 12 - Ecological Information

<b>Toxicity:</b>	No additional information provided for this mixture. See Section 3 for chemical specific data.
96hr LC50 Fish, mg/l	Not available
48 hr EC50 Crustacea, mg/l	Not available
ErC50 Algae, mg/l	Not available
<b>Persistence and degradability:</b>	There is no data available on the preparation itself.
<b>Bioaccumulative potential:</b>	Not measured
<b>Mobility in soil:</b>	No data available
<b>Results of PBT and vPvB assessment:</b>	This product contains no PBT/vPvB chemicals.
<b>Other adverse effects:</b>	No data available

## Section 13 – Disposal Considerations

<b>Waste treatment methods:</b>	Observe all federal, state and local regulations when disposing of this substance.
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## Section 14 – Transport Information

<b>UN Number:</b>	DOT: Not applicable Ocean: Not regulated ICAO/IATA: Not regulated
<b>UN Proper shipping name:</b>	DOT: Not regulated Ocean: Not regulated ICAO/IATA: Not regulated
<b>Transport hazard class(es):</b>	DOT: Not applicable IMDG: Not applicable Air: Not applicable Sub: Not applicable Label: --
<b>Packaging group:</b>	None
<b>Environmental hazards:</b>	IMDG Marine pollutant: No
<b>Special precautions for user:</b>	No further information

## Section 15 – Regulatory Information

<b>Regulatory Overview:</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
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<b>Toxic Substance Control Act:</b>	All components of this material are either listed or exempt from listing on the TSCA inventory.
<b>WHMIS Classification:</b>	None.
<b>US EPA Tier II Hazards:</b>	Fire: None
	Sudden release of Pressure: No
	Reactive: Yes
	Immediate (Acute): Yes
	Delayed (Chronic): No

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute:

EPCRA 311/312 chemicals and RQs

EPCRA 302 Extremely Hazardous

EPCRA 313 Toxic Chemicals

Proposition 65 – Carcinogens (>0.0%)

Proposition 65 – Developmental Toxins (>0.0%)

Proposition 65 – Female Repro Toxins (>0.0%)

Proposition 65 – Male Repro Toxins (>0.0%)

N.J. RTK Substances (>1%)

Penn RTK Substances (>1%)

## Section 16 – Other Information

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

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

H302 Harmful if swallowed

H315 Causes skin irritation

H320 Causes eye irritation

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.

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