# SAFETY DATA SHEET
# Freshduct Odor Eliminator Aerosol

BBJ Environmental Solutions
"The standard of care for indoor air"

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

**Product Name: Freshduct Odor Eliminator Aerosol**
**Product Codes(s):** 472-XX
**EPA Registration No.:** Not applicable
**Synonym(s):** None known
**REACH Registration Number:** No data available

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**General use:** Odor control for HVAC systems and air ducts
**Uses advised against:** No uses advised against

### 1.3 Details of the supplier and of the safety data sheet

**Manufacturer/Distributor**
Atlantic Chemical & Equipment
3471 Atlanta Industrial Parkway, Suite 200
Atlanta, GA 30331 USA
Toll free: +1-800-929-2436

### 1.4 Emergency telephone number: Chemtrec (24 hours) +1-800-424-9300

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture

**Classification in accordance with 28 CFR 1940 (OSHA HCS) and Regulation (EC) No 1272/2008**
Gases under pressure - Compressed gas [H280]

### 2.2 Label Elements

**Hazard Symbols:**

GHS04

**Signal Word:** Warning

**Hazard Statement(s):** H280 - Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**[Storage]** P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F).

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Proprietary mixture consisting of low toxicity ingredients. The identities of the components in this product are a trade secret (29 CFR 1910.1200(i)) and are available to the attending physician or paramedical personnel in case of emergency.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of first aid measures

**Inhalation:** If product vapor or mist causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention immediately.

**Eyes:** Immediately flush eyes with large amounts of water for 15 minutes. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing, occasionally lifting upper and lower lids. If irritation persists obtain medical attention, preferably from an ophthalmologist.

**Skin:** Flush skin with large amounts of water while removing contaminated clothing. Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse. If irritation persists, seek prompt medical attention.

**Ingestion:** Rinse mouth with water. If conscious and alert drink 1 - 2 cupfuls of milk or water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Do not leave the victim unattended. Get medical attention immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

**Potential health symptoms and effects**

**Eyes:** May cause eye irritation.

**Skin:** May cause mild skin irritation.

**Inhalation:** Inhalation of mist or vapor may cause irritation of the respiratory system. Vapor or fumes can cause central nervous system depression. Adverse symptoms include nausea, vomiting, headache, drowsiness, dizziness, fatigue, vertigo and unconsciousness.

**Ingestion:** May cause gastrointestinal upset with nausea, vomiting, abdominal pain and diarrhea.

**Chronic:** No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Advice to Doctor and Hospital Personnel**

The exposed person may need to be kept under medical observation for 48 hours. Treat symptomatically and supportively.

## SECTION 5 - FIRE FIGHTING MEASURES

### 5.1 Extinguishable media

**Suitable methods of extinction:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable methods of extinction:** None known

### 5.2 Special hazards arising from the substance or mixture

Contents under pressure (130 psi). Solutions containing glycol ethers in water can form flammable vapors with air if heated sufficiently. Closed containers may explode due to buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Explosion hazards:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C (122 °F). Do not pierce, crush or burn containers, even if empty.

### 5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing designated in Section 8. Ventilate the area. Avoid handling damaged cans, especially if leaking. No smoking.

### 6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

### 6.3 Methods and materials for containment and cleaning up

Puddles may form when using this product. Cover drains and contain spill. Cover with a large quantity of inert absorbent. Do not use combustible material such as sawdust. Collect product and place into an approved container for proper disposal. Observe possible material restrictions (Sections 7.2 and 10.5). Dispose of waste in accordance with national and local regulations. Clean contaminated area with soap and water.

### 6.4 Reference to other sections

For indications about waste treatment, see Section 13.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Pressurized container. Do not pierce or burn containers, even after use. Do not use if spray button is missing or defective. Do not spray on an open flame or any other incandescent material. DO NOT smoke while using this product. Do not cut, weld, solder, drill, grind, or expose containers to heat or other sources of ignition. Do not re-use empty containers. Do not get product in eyes, on skin or clothing. Avoid prolonged exposure to vapor or mist. Use only outdoors or in well-ventilated areas. Wear all appropriate protective equipment specified in Section 8. Observe good, industrial hygiene practices.

**Advice on protection against fire and explosion**

Keep away from heat, hot surfaces and other sources of ignition. Do not pierce, crush or incinerate containers, even if empty.

### 7.2 Conditions for safe storage, including any incompatibilities

Contents under pressure. Store away from direct sunlight in cool, dry, ventilated storage areas. Do not expose to heat or store at temperatures above 50 °C (122 ° F) as cans may burst or explode. Do not puncture, incinerate or crush containers. Do not handle or store near an open flame, heat or other sources of ignition. Protect containers from physical damage. Store away from incompatible materials, food and drink. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

### 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

This product contains no materials with occupational exposure limits

### 8.2 Exposure controls

**Engineering Measures:** Technical measures and appropriate working operations should be given priority over the use of personal protective

equipment. Use adequate ventilation. Local exhaust is preferable. Refer to See Section 7.1.

**Individual protection measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

**Hygiene measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

**Eye/face protection:** Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166.

**Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

**Other protective equipment:** Protective clothing. Wear protective boots if the situation requires.

**Respiratory Protection:** None required with normal use. Always use an approved respirator when vapor/aerosols are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental exposure controls:** Do not empty into drains.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Clear, colorless liquid |
| **Odor** | Scented (Clean Linen) |
| **Odor Threshold** | Not determined |
| **Molecular Weight** | Not applicable |
| **Chemical Formula** | Not applicable |
| **pH** | 4.75 - 4.85 @ 20 °C (68 °F) |
| **Freezing/Melting Point** | -2 °C (28 °F) |
| **Initial Boiling Point** | 110 °C (230 °F) |
| **Evaporation Rate** | Not determined |
| **Flammability (solid, gas)** | Not applicable |
| **Flash Point** | Not determined |
| **Autoignition Temperature** | Not determined |
| **Decomposition Temperature** | Not determined |
| **Lower Explosive Limit (LEL)** | Not determined |
| **Upper Explosive Limit (UEL)** | Not determined |
| **Vapor Pressure** | Not determined |
| **Vapor Density** | Not determined |
| **Specific Gravity** | 1.005 |
| **Viscosity** | Not determined |
| **Solubility in Water** | Complete |
| **Partition Coefficient: n-octanol/water** | Not determined |
| **Volatiles by Volume @ 70º F** | >97% |

### 9.2 Other data

No data available

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

No special reactivity has been reported.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

Extreme temperatures. Contact with incompatible materials.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Thermal decomposition products may include carbon oxides, aldehydes, ketones, organic acids.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute Oral Toxicity**

Expected to be non-toxic

**Acute inhalation toxicity**
Expected to be non-toxic

**Acute dermal toxicity**
Expected to be non-toxic

**Skin irritation**
May cause mild skin irritation.

**Eye irritation**
May cause eye irritation.

**Sensitization**
No data available

**Genotoxicity in vitro**
No data available

**Mutagenicity**
No data available

**Specific organ toxicity - single exposure**
May cause respiratory irritation. May cause dizziness or drowsiness.

**Specific organ toxicity - repeated exposure**
No data available

**Aspiration hazard**
No data available

### 11.2 Further information

This material is not listed as a carcinogen by IARC, ACGIH, NTP or OSHA. No data is available regarding the mutagenicity and/or teratogenicity of this material in humans, nor is there available data that indicates that it causes adverse developmental and/or fertility effects in humans.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1 Toxicity

Material is expected to have low toxicity to aquatic organisms.

### 12.2 Persistence and degradability

Material is expected to be biodegradable.

### 12.3 Bioaccumulation potential

Not expected to bioaccumulate

### 12.4 Mobility

Mobility in the soil is expected to be high.

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

**Additional ecological information**

Do not allow material to run into surface waters, wastewater, sewers or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

**Methods of disposal:** The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste:** The classification of this product may meet the criteria for a hazardous waste.

## SECTION 14 - TRANSPORT INFORMATION

**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**US DOT (Domestic Ground Transportation)**

| | |
|---|---|
| **Proper Shipping Name:** | Aerosols, non-flammable (each not exceeding 1 liter capacity) |
| **Hazard Class:** | 2.2 |
| **UN/NA:** | UN1950 |
| **Packing Group:** | ---------- |
| **NAERG:** | Guide #126 |
| **Packaging Authorization:** | Non-Bulk: None; Bulk: None |
| **Packaging Exceptions:** | 49 CFR 173.306 |

**IMO/IMDG (Water Transportation)**

| | |
|---|---|
| **Proper Shipping Name:** | Aerosols, non-flammable (each not exceeding 1 liter capacity) |
| **Hazard Class:** | 2.2 |
| **UN/NA:** | UN1950 |
| **Packing Group:** | ---------- |
| **Marine Pollutant:** | No |
| **EMS Number:** | F-D, S-U |

**ICAO/IATA (Air Transportation)**

| | |
|---|---|
| **Proper Shipping Name:** | Aerosols, non-flammable (each not exceeding 1 liter capacity) |
| **Hazard Class:** | 2.2 |
| **UN/NA:** | UN1950 |
| **Packing Group:** | ---------- |
| **Quantity Limitations:** | 49 CFR 175.27 and 175.75 - Cargo Aircraft Only: 150 kg; Passenger Aircraft: 75 kg |

**RID/ADR (Rail Transportation)**

| | |
|---|---|
| **Proper Shipping Name:** | Aerosols, non-flammable (each not exceeding 1 liter capacity) |
| **Hazard Class:** | 2.2 |
| **UN/NA:** | UN1950 |
| **Packing Group:** | ---------- |

## SECTION 15 - REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for substance or mixture**

**U. S. Federal Regulations**

**OSHA Hazard Communication Standard:** This material is classified as hazardous in accordance with OSHA 29 CRF 1910.1200.

**OSHA Process Safety Management Standard:** Components of this product are not regulated under OSHA PSM Standard 29 CFR 1910.119.

**EPA Risk Management Planning Standard:** Components of this product are not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

**TSCA Status:** All components of this product are listed on the TSCA Inventory. This product is not subject to TSCA 12(b) Export Notification.

**Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories:** Acute Health Hazard

**SARA 313 Information:** None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

**SARA 302/304 Extremely Hazardous Substance**

No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

**SARA 302/304 Emergency Planning & Notification:**

No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** This product contains no CERCLA reportable substances.

**Clean Air Act (CAA)**

This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).
This product does not contain any Class 1 Ozone depletors.
This product does not contain any Class 2 Ozone depletors.

**Clean Water Act (CWA)**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**U.S. State Regulations**

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

This product contains no chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

**Other U.S. State Inventories**

None of the components in this product are listed any State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists.

**Canada**

**WHMIS Hazard Symbol and Classification**

A - Contents under pressure

D2A - Very toxic material causing other toxic effects - teratogenicity and embryotoxicity in animals

**Canadian National Pollutant Release Inventory (NPRI):** None of the ingredients in this product are listed on the NPRI.

**European Economic Community**

**Labeling (67/548/EEC to 1999/45/EC):** None allocated

**Risk Phrases:** R67- Vapors may cause drowsiness or dizziness.

**Safety Phrases:** S2 - Keep out of the reach of children.

**WGK, Germany (Water danger/protection):** nwg

**Global Chemical Inventory Lists**

| Country | Inventory Name | Inventory Listing* |
|---|---|---|
| **Canada:** | Domestic Substance List (DSL). | Yes |
| **Canada:** | Non-Domestic Substance List (NDSL). | No |

*Yes - All components of this product are in compliance with the inventory requirements administered by the governing country.
No - One or more components of this product are not on the inventory or are exempt from listing.

**Global Chemical Inventory Lists (continued)**

| Country | Inventory Name | Inventory Listing* |
|---|---|---|
| **United States:** | Toxic Substance Control Act (TSCA) | Yes |
| **Australia:** | Australian Inventory of Chemical Substances (AICS) | Yes |
| **New Zealand:** | New Zealand Inventory of Chemicals (NZIoC) | Yes |
| **China:** | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| **Japan:** | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| **Korea:** | Existing Chemicals List (ECL) | Yes |
| **Philippines:** | Philippines Inventory of Chemicals and Chemical Substances (PICCS) | Yes |

*Yes - All components of this product are in compliance with the inventory requirements administered by the governing country.
No - One or more components of this product are not on the inventory or are exempt from listing.

### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16 - OTHER INFORMATION

**Hazardous Material Information System (HMIS)**

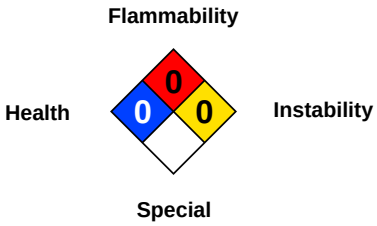
| | |
|---|---|
| Health | 0 |
| Flammability | 0 |
| Physical Hazard | 0 |
| Personal Protection | B |



**HMIS and NFPA Hazard Rating Legend**

| | |
|---|---|
| * = Chronic Health Hazard | 2 = MODERATE |
| 0 = INSIGNIFICANT | 3 = HIGH |
| 1 = SLIGHT | 4 = EXTREME |

**National Fire Protection Association (NFPA)**




**Full text of GHS Hazard Phrases referenced in Section 3 (not covered in Section 2)**

H270 - May cause or intensify fire; oxidizer
H280 - Contains gas under pressure; may explode if heated

Atlantic Chemical & Equipment assumes no legal responsibility or liability from the described product's use. All chemicals possess unknown potential hazards. The information herein should be used only to supplement the end user's existing knowledge. Read directions for proper use. This SDS was written for the product as packaged. Cleaning Contractors shall comply with all applicable OSHA regulations.

Preparation Date: 08 June 2016