

Safety Data Sheet

Date Issued:

10/6/2021

**SECTION 1: IDENTIFICATION OF THE PREPARATION AND THE COMPANY**

**PRODUCT NAME:** Linen Fresh Aerosol

**RECOMMENDED USE:** Deodorizer

**RESTRICTIONS ON USE:** For intended use only

**MANUFACTURER:**

Fresh Products, LLC

30600 Oregon Rd.

Perrysburg, OH

43551

USA

**TELEPHONE:** +1-419-531-9741

**FAX:** +1-419-531-8472

**EMERGENCY CONTACT (spill/release):** 800-424-9300

**ITEM NUMBER:** Fusion

**Section 2: HAZARDS IDENTIFICATION**

General: Contains small amounts of chemicals that are hazardous to health and the environment but in quantities too small to constitute any practical risks to health or the environment.

Classification:

Flammable aerosols - Category 1  
Gasses under pressure - Liquefied gas  
Aspiration Hazard - Category 1  
Serious eye damage/eye irritation - Category 2  
Skin Sensitation - Category 1  
Skin Irritation - Category 2  
Specific target organ toxicity, single exposure - Category 3  
Reproductive Toxicity - Category 2



DANGER

Hazard Phrases:

H222: Extremely flammable aerosol  
H280: Contains gas under pressure; may explode if heated  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H319: Causes serious eye irritation  
H336: May cause drowsiness or dizziness  
H361: Suspected of damaging the fertility of the unborn child

Precautionary Phrases:

- P102 - Keep out of the reach of children.
- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Pressurized container: Do not pierce or burn, even after use.
- P261 - Avoid breathing mist/spray.
- P264 - Wash face thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should be not allowed out of the workplace
- P280 - Wear protective eye/face protection.
- P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P391 - Collect spillage.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- P405 - Store locked up.
- P410 - Protect from sunlight.
- P412 - Do not expose to temperatures exceeding 50 °C/ 122 °F.
- P501 - Dispose of waste and residues in accordance with local authority requirements

Hazard(s) not otherwise classified  
(HNOC)

Static accumulating flammable liquid can become electrostatically charged even bonded in and grounded equipment.

Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**SECTION 3: INGREDIENT INFORMATION**

Chemical Identification:

Aerosol air freshener with a fragrance composition and color to represent the fragrance. For institutional use only.

Form/Shape: Aerosol can weighs approximately 6.25oz.

CAS Number: Not applicable since the product is a preparation.

EINECS/ELINCS #: Not applicable since the product is a preparation.

The product is a complex mixture of substances of which the following have been classified as presenting a health or environmental hazard or as having an occupational exposure limit within the meaning of the Directive 67/548/EEC or 1999/45/EC

Level (%)	CAS Nr	EC Nr	Substance
40 - 60	67-64-1	N/a	Acetone
20 - 40	74-98-6	N/a	Propane

2.5 - 10	111-90-0	N/a	Diethylene Glycol Monoethyl Ether
2.5 - 10	107-41-5	N/a	Hexylene Glycol
10-20	N/a	N/a	Other components below reportable levels

\*Exact percentage and chemical identity has been withheld as a trade secret.

#### **SECTION 4: FIRST AID MEASURES**

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

#### **Most important symptoms/effects, acute and delayed**

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision

#### **Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim under observation.

Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### **SECTION 5: FIRE FIGHTING MEASURES**

Suitable extinguishing media Powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

#### **Specific hazards arising from the chemical**

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

#### **Special protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

#### **Fire-fighting equipment/instructions**

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Extremely flammable aerosol.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing

gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

#### Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

### **SECTION 7: HANDLING AND STORAGE**

#### Precautions for safe handling

Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

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

Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

### **SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**

#### Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<u>Components</u>	<u>Type</u>	<u>Value</u>
Acetone (CAS 67-64-1)	PEL	2400 mg/m <sup>3</sup> 1000 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup> 1000 ppm

#### US. ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>
Acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500ppm
Hexylene Glycol (CAS 107-41-5)	Ceiling	25ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>
Acetone (CAS 67-64-1)	TWA	590 mg/m <sup>3</sup> 250 ppm
Hexylene Glycol (CAS 107-41-5)	Ceiling	125 mg/m <sup>3</sup> 25 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> 1000ppm

#### US. Workplace Environmental Exposure Level (WEEL) Guides

<u>Components</u>	<u>Type</u>	<u>Value</u>
Diethylene Glycol Monoethyl Ether (CAS 111-90-0)	TWA	140 mg/m <sup>3</sup> 25ppm

#### Biological limit values

#### ACGIH Biological Exposure Indices

<u>Components</u>	<u>Value</u>	<u>Determinant</u>	<u>Specimen</u>	<u>Sampling Time</u>
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

#### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

#### Individual protection measures, such as personal protective equipment eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection Wear appropriate chemical resistant gloves.

#### Skin protection

Other Wear suitable protective clothing.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Aerosol can with spray

Odor: Various

Odor Threshold: Not determined

Color: Various

pH value: Not determined/applicable

Melting Pt: Not available.

Boiling Pt: 132.89 °F (56.05 °C) estimated

Flash pt: -156.0 °F (-104.4 °C) PROPELLANT estimated

Evaporation Rate: Not applicable.

Flammability: Not determined/applicable

UEL: 17.1 % estimated

LEL: 1.7 % estimated

Vapor Pressure: 3823.73 psig @70F estimated

Vapor Density: Not determined/applicable

Relative Density: Not determined

Solubility in water: Not available

Partition Coefficient: Not determined

Autoignition Temperature: Not applicable

Decomposition Temperature: Not determined/applicable

## **SECTION 10: STABILITY AND REACTIVITY**

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products are known.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

Ingestion Expected to be a low ingestion hazard.

Inhalation May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged

inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects**

Acute toxicity Narcotic effects.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Acetone (CAS 67-64-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Guinea pig	>7426 mg/kg, 24 hours >9.4 ml/kg , 24 hours
	Rabbit	> 7426 mg/kg, 24 hours > 9.4 ml/kg, 24 hours
<i>Inhalation</i>		
LC50	Rat	55700 ppm, 3 hours 132 mg/l , 3 hours 50.1 mg/l
<i>Oral</i>		
LD50	Rat	5800 mg/kg 2.2 ml/kg
Diethylene Glycol Monoethyl Ether (CAS 111-90-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Guinea pig Rabbit	5900 mg/kg, Days 8500 mg/kg , 2 hours 8476 mg/kg, 24 hours 7714 mg/kg
<i>Oral</i>		
LD50	Guinea pig Mouse Rabbit Rat	4970 mg/kg 6031 mg/kg 5600 mg/kg 5600 mg/kg 5.4 ml/kg
Hexylene Glycol (CAS 107-41-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	13.3 ml/kg, 24 hours
<i>Oral</i>		
LD50	Rat	4700 mg/kg
Propane (CAS 74-98-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Mouse	1237 mg/l 52%, 120 minutes
	Rat	1355 mg/l 658 mg/l/4h

\* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Aquatic		
	EC50 Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Crustacea		
	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Fish		
Diethylene Glycol Monoethyl Ether (CAS 111-90-0)		
Aquatic		
	LC50 Bluegill (Lepomis macrochirus)	> 10000 mg/l, 96 hours
Fish		
Hexylene Glycol (CAS 107-41-5)		
Aquatic		
	EC50 Water flea (Ceriodaphnia reticulata)	2400 - 3200 mg/l, 48 hours
Crustacea		
	LC50 Bleak (Alburnus alburrr)	7000 - 9100 mg/l, 96 hours
Fish		

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Acetone -0.24

Diethylene Glycol Monoethyl Ether -0.54

Propane 2.36

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation)



potential, endocrine disruption, global warming potential) are expected from this component.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations

Dispose in accordance with all applicable regulations

#### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### US RCRA Hazardous Waste U List: Reference

Acetone (CAS 67-64-1) U002

#### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### **SECTION 14: TRANSPORT INFORMATION**

DOT

UN number UN1950

UN proper shipping name Aerosols, flammable, (each not exceeding 1 L capacity)

Class 2.1

Transport hazard class(es)

Subsidiary risk -

Label(s) 2.1

Packing group Not applicable.

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Special precautions for user Read safety instructions,

SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling

Special provisions N82

Packaging exceptions 306

Packaging non bulk None

Packaging bulk None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity.

Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond

mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently

IATA

UN number UN1950

UN proper shipping name Aerosols, flammable

Class 2.1

Transport hazard class(es)

Subsidiary risk -

Label(s) 2.1

Packing group Not applicable.

Environmental hazards Yes

ERG Code 10L

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling . Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed.

Cargo aircraft only Allowed.

Packaging Exceptions LTD QTY

IMDG

UN number UN1950

UN proper shipping name AEROSOLS

Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Packing group Not applicable.

Marine pollutant Yes

Environmental hazards

EmS F-D, S-U

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CodeNot applicable.

DOT



IATA; IMDG





## **SECTION 15: REGULATORY INFORMATION**

Classification, Packaging and Labeling according to Directive 99/45/EC

Signal word: DANGER

Pictograms: Exclamation mark  
Flame  
Gas Cylinder  
Health Hazard

Hazard Phrases: H222: Extremely flammable aerosol  
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H315: Causes skin irritation  
H317: May cause and allergic skin reaction

Precautionary Phrases: H319: Causes serious eye irritation  
H336: May cause drowsiness or dizziness  
H361: Suspected of damaging the fertility of the unborn child

P102 - Keep out of the reach of children.  
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P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P391 - Collect spillage.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P410 - Protect from sunlight.  
P412 - Do not expose to temperatures exceeding 50 °C/ 122 °F.  
P501 - Dispose of waste and residues in accordance with local authority requirements

## **SECTION 16: OTHER INFORMATION**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)