Safety Data Sheet

Date Issued: 12/21/2016

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
Serious eye damage/eye irritation Category 2A
Specific target organ toxicity, single exposure Category 3 narcotic effects
Hazardous to the aquatic environment, acute Category 2
Hazardous to the aquatic environment, Category 2

DANGER

Hazard Phrases:

H222: Extreamely flammable aerosal
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness

Precautionary Phrases:

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 gas.
P264 - Wash face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
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 ot temperatures exceeding 50 °C/ 122 °F.
P501 - Dispose of waste and residues in accordance
with local authority requirements

SECTION 3: INGREDIENT INFORMATION

Chemical Identification**:**

Aerosal 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	25265-71-8	N/a	Dipropylene glycol
2.5 - 10	107-41-5	N/a	Hexylene Glycol
2.5 - 10	N/a	N/a	components below reportable

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 specialtreatment 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 (CO2).

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 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 gas. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good

industrial hygiene practices.

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)

Components	Type	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
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

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	590 mg/m3 250 ppm
Hexylene Glycol (CAS 107-41-5)	Ceiling	125 mg/m3 25 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Diethylene Glycol Monoethyl Ether (CAS 111-90-0)	TWA	140 mg/m3 25ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
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**:** Aerosal 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

Autiignition 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 in halation 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 characterisitics

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.

Components	**Species**	**Test Results**
Acetone (CAS 67-64-1)		
Acute		
Dermal		
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
Inhalation		
LC50	Rat	55700 ppm, 3 hours
		132 mg/l , 3 hours
		50.1 mg/l
Oral		
LD50	Rat	5800 mg/kg
		2.2 ml/kg
Diethylene Glycol Monoethyl Ether (CAS 111-90-0)		
Acute		
Dermal		
LD50	Guinea pig	5900 mg/kg, Days
	Rabbit	8500 mg/kg , 2 hours
		8476 mg/kg, 24 hours
		7714 mg/kg
Oral		
LD50	Guinea pig	4970 mg/kg
	Mouse	6031 mg/kg
	Rabbit	5600 mg/kg
	Rat	5600 mg/kg
		5.4 ml/kg
Hexylene Glycol (CAS 107-41-5)		
Acute		
Dermal		
LD50	Rabbit	13.3 ml/kg, 24 hours
Oral		
LD50	Rat	4700 mg/kg

Propane (CAS 74-98-6)

Acute

Inhalation

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 - repeared 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		
Crustacea	EC50 Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Diethylene Glycol Monoethyl Ether (CAS 111-90-0)		
Aquatic		
Fish	LC50 Bluegill (Lepomis macrochirus)	> 10000 mg/l, 96 hours
Hexylene Glycol (CAS 107-41-5)		
Aquatic		

	EC50 Water flea	2400 - 3200
Crustacea	(Ceriodaphnia reticulata)	mg/l, 48 hours
Fish	LC50 Bleak (Alburnus alburr	7000 - 9100 mg/l, 96 hours

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

Marine pollutant
General information IMDG Regulated Marine Pollutant.

SECTION 15: REGULATORY INFORMATION

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

Signal word: DANGER

Pictograms: Exclamation mark
Flame

Hazard Phrases:
H222: Extreamely flammable aerosal
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness

Precautionary Phrases:
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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P251 - Pressurized container: Do not pierce or burn, even after use.
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P264 - Wash face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
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 ot 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)