



Safety Data Sheet

Version: 1.1

Date Issued: 2/28/2024

SECTION 1: IDENTIFICATION OF THE PREPARATION AND THE COMPANY

PRODUCT NAME: Linen Fresh

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 3000

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 liquids Category 2

Gases under pressure - Liquefied gas

Acute toxicity, inhalation Category 4

Serious eye damage/eye irritation Category 2A

Sensitization, skin Category 1

Specific target organ toxicity, single exposure Category 3 narcotic effects



DANGER

WARNING

Hazard Phrases:

H222: Highly flammable liquid and vapor.

H280: Contains gas under pressure, may explode if heated

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation

H332: Harmful if inhaled.

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 mist/spray.

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 at temperatures exceeding 50 °C/ 122 °F.
P501 - Dispose of waste and residues in accordance with local authority requirements

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
1 - 2.5	88-41-5	N/a	2-tert butylcyclohexyl Acetate
0.1 - 1	101-39-3	N/a	alpha-Methylcinnamaldehyde
0.01 - 1	104-55-2	N/a	Cinnamal
0.1 - 1	97-53-0	N/a	Eugenol
0.1 - 1	1222-05-5	N/a	Hexahydrohexamethyl Cyclopentabenzopyran
2.5 - 10	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

Remove contaminated clothing immediately and wash skin with soap and water. Take off

immediately all contaminated clothing. In case of eczema or other skin disorders: Seek medical attention and take along these instruction

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Dermatitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Rash. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction.

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

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media 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

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

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

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

General fire hazards Highly flammable liquid and vapor.

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

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like

vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Refrigeration recommended. Keep in an area equipped with sprinklers. 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 ³
		1000 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m ³
		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 ³
		250 ppm
Hexylene Glycol (CAS 107-41-5)	Ceiling	125 mg/m ³
		25 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m ³

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/m3 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

Explosion-proof general and local exhaust ventilation. 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

Chemical respirator with organic vapor cartridge and full facepiece

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

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 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 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.

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute		
<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)

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
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Oral

LD50	Rat	4700 mg/kg
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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 May cause an allergic skin reaction

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		
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		
Crustacea	EC50 Water flea (Ceriodaphnia reticulata)	2400 - 3200 mg/l, 48 hours
Fish	LC50 Bleak (Alburnus alburnus)	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 Code Not 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

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 mist/spray.

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 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)