LORANN OILS, INC.

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4220 – Gummy Mix

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/13/23 Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : 4220 Gummy Mix

Product form : powder

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

Use of the substance/mixture : Food industry: Mixture

1.3. Details of the supplier of the safety data sheet

LorAnn Oils, Inc.
4518 Aurelius Road
Lansing, MI 48910
Telephone: 1.800.862.8620

1.4. Emergency telephone number

Emergency number : CHEMTREC: Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC [CLP]: Not classified.

2.2. Label elements

GHS label elements: The substance is classifed and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms : Not applicable

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : May form combustible dust concentratios in air.

Other Hazards : Possibility of dust explosion. It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Keep away from all ignition sources including heat, sparks and flame.

INHALATION: Exposure to high airborne concentrations may cause mild respiratory irritation due to drying effects of dust.

SKIN CONTACT: Sustained exposure in a dusty manufacturing environment may result in mechanical irritation in the creses of the skin, particularly at the fingers. No health effects known or anticipated.

EYE CONTACT: May cause slight mehanical irritation from acute exposure.

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INGESTION: No effects known or anticipated

SECTION 3: Composition/information on ingredients :

Chemical Family: Mixture

Hazardous components

Component	Concentration
Citric acid (CAS no.: 77-92-9)	<2 % (weight)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advise : Seek medical attention if irritation develops after first aid application.

First-aid measures after inhalation : Move people from the exposure to fresh air.

First-aid measures after skin contact : Wash skin with soap and water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED : If inhaled: Inhalation of product powder may cause mild respiratory irritation.
In case of skin contact: No adverse effects are normally expected. Prolonged and repeated exposure may cause skin irritation.
In case of eye contact:Direct exposure may cause mild eye irritation.
If swallowed: No significant adverse effects are known or anticipated.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED. : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry powder, carbon dioxide or media appropriate for surrounding fire. Use of water jet may cause explosive dust conditions.

5.2. Specific Hazards

Fire and explosion hazard : Possibility of dust explosion. It is recommended that all dust control equipment and material traansport systems involved are engineered to prevent condtions contibuting to dust explosions. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Use of water jet may cause explosive dust conditions. SEE NFPA 61, Standard for the prevention of Fire and Dust Wxplosions in Agricultural and Food Processing Facilities, 2008 or later Edition, and other related standards.

5.3. Specific Protective Equipment and Precautions for Fire-fighters

Wear self-contained breathing apparatus and full protective gear. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours and gases.

Flammability class (OSHA) : Not applicable

Hazardous combustion products : Carbon dioxide and carbon monoxide

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SECTION 6: Accidental release measures

6.1. Personal Precautions

Avoid formation of suspended dust or powder. Keep all ignition sources away. Non-sparking tools should be used. Ensure adequate ventialation. Wear personal protection recommended in Section 8.

6.2. Environmental Precautions

Do not release into the environment.

6.3. Methods for Clean Up

Sweep up and/or clean with an explosion proof vacuum without creating suspended dust. Keep in suitable closed containers for disposal.

6.4 Reference to Other Sections

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

Follow local, state and federal regulations for product disposal TION 7: Handling and storage

7.1. Precautions for safe handling

See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and other related standards. Use with adequate ventilation. Minimize dust generation and accumulation; dust deposits should not be allowed to accumulate on surfaces, as these may form andexplosive mixture if they are disturbed.

All dust control equipment and material transport systems involved are engineered to prevent condtiions contributing to dust explosions and may require explosion relief vents or an explosion suppression system or an oxygen deficient environment. Bonding nd grounding systems may be required.

Dust-handling systems(such as exhaust ducts, dust collectors, vessels, and processing equipment) should be designed to limit or prevent leakage of dust into the work area.

Do not allow dust to accumulate on flate surfaces, on rafters or building structural components. Routine housekeeping should be institued to reduce dust accumulation. Use Avoid disperal of dust in the air; use vacuum or wet sweeping methods, Do not use compressed air to clean surfaces.

Keep away from all ignition sources including heat, sparks, and flame. Where dust accumulations occur use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8: Exposure controls/personal protection

8.1. Control Parameters

Exposure limits: Nuisance dust (also called particulate not otherwise regulated (PNOR)).

OSHA PEL: 15 mg/mg/m3 Total dust
5 mg/m3 Respirable dust

ACGIH TLV: 10 mg/m3 Inhalable dust
5 mg/m3 Respirable dust
15 mg/m3 Total dust

8.2. Exposure Controls

Appropriate Engineering Controls:

Ventilation: See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Foood Porcessing Facilities, 2008 Edition, and National Fire Protection Association 650, Standard for Pneumatic Conveying Systems for handling Combustible Materials, 1997 Edition and otherrelated standards. Normal industrial hygiene measures should be sufficient for protection of employees from exposure to dusts. Local and mechanical exhaust is desiredable when dumping bags.

Appropriate Personal Protective Equipment:
Eye protection: Safety glasses are recommended. Safety goggles are desirable when dumping bags.
Emergency wash facilities: Eye wash is recommended for conditions where dust generation is likely.
Special protective clothing: Not normally required.
Gloves: Not normally required. Use ordinary work gloves if dust dries out skin.
Respirator: NIOSH approved N-95 dust respirator if working in situations that could generate large amounts of airborne dust.

For Firefighting and Other Immediately Dangerous To Life or Health Conditions:
See section 5.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Powder
Color	:	White
Odor	:	Characteristic.
pH	:	N/A
Evaporation rate	:	N/A
Freezing point	:	N/A
Boiling point	:	N/A
Flash point	:	N/A
Auto-ignition temperature	:	N/A
Vapor pressure	:	N/A
Refractive index	:	N/A
Specific gravity	:	N/A
Solubility	:	Water soluble
Viscosity	:	N/A
Decompression temperature	:	N/A

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive under normal use conditions.

10.2. Chemical stability

Stable under the recommended normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Keep way from incompatible materials. Avoid dust generation. Keep away from heat and sources of ignition.

10.5. Incompatible materials

Strong oxidizers, acids, bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Inhalation	:	Exposure to high airborne concentrations may cause mild respiratory irritation due to drying effects of dust.
Ingestion	:	Expected to be a low ingestion hazard
Skin irritation / corrosion	:	Sustained exposure in a dusty manufacturing environment may result in mechanical irritation in the creases of the skin, particularly at the fingers, or other drying effects. No health effects known or anticipated.
Eye irritation	:	May cause slight mechanical irritation from acute exposure.
Skin sensitisation	:	Not sensitizing
Chronic toxicity	:	Not known or anticipated
Genetic toxicity	:	Not known or anticipated
Carcinogenicity	:	Not classifiable as Carcinogen
Reprotoxicity	:	Not known or anticipated
Specific effects	:	Not applicable

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SECTION 12: Ecological information

12.1. Toxicity
This product is not classified as environmentally hazardous.

12.2. Persistence/Degradability
Ready biodegradable

12.3. Bioaccumulative Potential
This product is not expected to bioaccumalte

12.4. Mobility in Soil
This product is water soluble and may disperse in soil.

12.5. Mobility in General
This product is water soluble and may spread in water systems.

12.6. Other Adverse Effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Follow local, state and federal regulations for product disposal. Not a hazardous waste unless contaminated with hazardous products.

SECTION 14: Transport information

International regulations (RID/ADR; RTMDR; IMDG; IATA/OACI): Not classified as dangerous for transport.
DOT shipping label: Non-hazardous

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 30

SARA 311/312 Hazards
Physical Hazard (combustible dust).

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the Minimis) reporting levels established by SARA Title III, Section 313.

HMIS Rating

4220 Gummy Mix	
HEALTH	0
FLAMMABILITY	2
PHYSICAL HAZARD	0

NFPA Rating

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SECTION 16: Other information

Other information : See Hazard Communication Guidance ofr Combustible Dusts, OSHA 3371-08 2009, U.S. Occupational Safety and Health Administration, https://www.osha.gov/Publications/3371combustible-dust.html (accessed 10/8/14)

NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for general safe handling and design guidance.

Safety Data Sheet according to Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration Evaluation, Authorisation and Restriction of Chemicals (REACH).

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