SAFETY DATA SHEET
Cranberry Chutney (type)

SECTION 1 — Identification

Product name	Cranberry Chutney (type)
Supplier name	Lone Star Candle Supply, Inc.
Recommended use	Compound used in customer substance/mixture/product
Supplier address	5800 Park Vista Circle, Keller, TX 76244
Supplier phone	1-800-929-9425
Emergency phone (24h)	CHEMTREC 1-800-424-9300 / +1 703-741-5970

SECTION 2 — Hazards Identification

2.1. Classification of the substance or mixture

GHS US classification

Hazard class	Category	Hazard statement
Flammable liquids	Category 4	H227 - Combustible liquid
Acute toxicity (oral)	Category 4	H302 - Harmful if swallowed
Serious eye damage/eye irritation	Category 2A	H319 - Causes serious eye irritation
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS US):

Signal word (GHS US):	Warning
Hazard statements (GHS US):	H227 - Combustible liquid H302 - Harmful if swallowed H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
Precautionary statements (GHS US):	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P264 - Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear cold insulating gloves, eye protection, face protection, face shield, protective clothing, protective gloves. P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P370+P378 - In case of fire: Use dry extinguishing powder to extinguish.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3 — Composition / Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Benzyl benzoate	CAS-No.: 120-51-4	13.69 – 27.38	Acute Tox. 4 (Oral), H302
methyl anthranilate	CAS-No.: 134-20-3	4.9 – 9.8	Eye Irrit. 2A, H319 Aquatic Acute 3, H402
Cinnamic alcohol	CAS-No.: 104-54-1	2.105 – 4.21	Skin Sens. 1B, H317
Ethyl maltol	CAS-No.: 4940-11-8	1.15 – 2.3	Acute Tox. 4 (Oral), H302
Amyl cinnamic aldehyde	CAS-No.: 122-40-7	0.905 – 1.81	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Dimyrcetol	CAS-No.: 25279-09-8	0.8 – 1.6	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Allyl caproate	CAS-No.: 123-68-2	0.56 – 1.12	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Aquatic Acute 2, H401

Full text of hazard classes and H-statements : see section 16

SECTION 4 — First-Aid Measures

4.1. Description of first aid measures

First-aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation:	Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Wash skin with plenty of water, Call a physician immediately on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms:	Based on available data, the classification criteria are not met. Harmful if swallowed.
Symptoms/effects:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation:	May cause an allergic skin reaction.
Symptoms/effects after eye contact:	Causes serious eye irritation. Causes eye irritation.
Symptoms/effects after ingestion:	Swallowing a small quantity of this material will result in serious health hazard.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5 — Fire-Fighting Measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media:	Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard:	Combustible liquid.
Explosion hazard:	May form flammable/explosive vapor-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6 — Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures:	Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment:	Equip cleanup crew with proper protection.
Emergency procedures:	Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7 — Handling and Storage

7.1. Precautions for safe handling

Additional hazards when processed:	Handle empty containers with care because residual vapors are flammable. Keep away from Keep away from heat, sparks and flame. - No smoking.
Precautions for safe handling:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Avoid breathing dust, fume, gas, mist, spray, vapors.
Hygiene measures:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:	Proper grounding procedures to avoid static electricity should be followed.
Storage conditions:	Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.
Incompatible products:	Strong bases. Strong acids.
Incompatible materials:	Sources of ignition. Direct sunlight. Heat sources.
Storage temperature:	25 °C
Storage area:	Store in a well-ventilated place. Store away from heat.
Special rules on packaging:	Store in a closed container.
Packaging materials:	Do not store in corrodable metal.

SECTION 8 — Exposure Controls / Personal Protection

8.1. Control parameters

Benzyl benzoate (120-51-4)

No additional information available

Cinnamic alcohol (104-54-1)

No additional information available

methyl anthranilate (134-20-3)

No additional information available

Amyl cinnamic aldehyde (122-40-7)

No additional information available

Ethyl maltol (4940-11-8)

No additional information available

Dimyrcetol (25279-09-8)

No additional information available

Allyl caproate (123-68-2)

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures / Personal protective equipment

Personal protective equipment:	Avoid all unnecessary exposure.
Hand protection:	Wear protective gloves.
Eye protection:	Chemical goggles or safety glasses
Respiratory protection:	Wear appropriate mask
PPE symbols:	
Other information:	Do not eat, drink or smoke during use.

SECTION 9 — Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	light yellow amber
Odor:	characteristic
Odor threshold:	No data available
pH:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	65.6 °C (closed cup) ASTM D7094
Relative evaporation rate (butyl acetate=1):	No data available
Flammability (solid, gas):	Not applicable.
Vapor pressure:	No data available

Relative vapor density at 20 °C:	No data available
Relative density:	≈ 1.12
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosion limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2. Other information

No additional information available

SECTION 10 — Stability and Reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapor-air mixture. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11 — Toxicological Information

11.1. Information on toxicological effects

Acute toxicity (oral):	Harmful if swallowed.
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
ATE US (oral):	1329.296 mg/kg body weight

Benzyl benzoate (120-51-4)	
LD50 oral rat	500 mg/kg
LD50 dermal rabbit	4000 mg/kg
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	4000 mg/kg body weight

Cinnamic alcohol (104-54-1)	
LD50 dermal rabbit	> 5000 mg/kg

methyl anthranilate (134-20-3)	
LD50 oral rat	2910 mg/kg
LD50 dermal rabbit	5000 mg/kg
ATE US (oral)	2910 mg/kg body weight
ATE US (dermal)	5000 mg/kg body weight

Amyl cinnamic aldehyde (122-40-7)	
LD50 oral rat	3730 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	3730 mg/kg body weight

Ethyl maltol (4940-11-8)	
LD50 oral rat	1150 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	1150 mg/kg body weight

Allyl caproate (123-68-2)	
LD50 dermal rabbit	820 mg/kg
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (vapors)	3 mg/l/4h

Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
Viscosity, kinematic:	No data available
Potential Adverse human health effects and symptoms:	Based on available data, the classification criteria are not met. Harmful if swallowed.
Symptoms/effects:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation:	May cause an allergic skin reaction.
Symptoms/effects after eye contact:	Causes serious eye irritation. Causes eye irritation.
Symptoms/effects after ingestion:	Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12 — Ecological Information

12.1. Toxicity

Benzyl benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l

Ethyl maltol (4940-11-8)	
LC50 - Fish [1]	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Allyl caproate (123-68-2)	
LC50 - Fish [1]	0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

12.2. Persistence and degradability

Persistence and degradability:	Not established.

Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Bioaccumulative potential:	Not established.

Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.

Cinnamic alcohol (104-54-1)	
Partition coefficient n-octanol/water (Log Pow)	1.636 (at 27 °C (at pH 3.52)

methyl anthranilate (134-20-3)	
Partition coefficient n-octanol/water (Log Pow)	2.17 (at 22 °C)

Amyl cinnamic aldehyde (122-40-7)	
Partition coefficient n-octanol/water (Log Pow)	2.498 (at 25 °C (at pH 6.2)

Ethyl maltol (4940-11-8)	
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 25 °C)

Dimyrcetol (25279-09-8)	
Partition coefficient n-octanol/water (Log Pow)	3.55 (at 20 °C (at pH >=6.55-<=6.7)

Allyl caproate (123-68-2)	
Partition coefficient n-octanol/water (Log Pow)	3.191 (at 20 °C (at pH 5)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information:	Avoid release to the environment.

SECTION 13 — Disposal Considerations

13.1. Disposal methods

Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
Additional information:	Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials:	Avoid release to the environment.

SECTION 14 — Transport Information

In accordance with DOT

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT):	Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT):	Not applicable

14.4. Packing group

Packing group (DOT):	Not applicable

14.5. Environmental hazards

Other information:	No supplementary information available.

14.6. Special precautions for user

DOT:	No data available

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

Not applicable

SECTION 15 — Regulatory Information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

Benzyl benzoate (120-51-4)
Listed on the Canadian DSL (Domestic Substances List)

Cinnamic alcohol (104-54-1)
Listed on the Canadian DSL (Domestic Substances List)

methyl anthranilate (134-20-3)
Listed on the Canadian DSL (Domestic Substances List)

Amyl cinnamic aldehyde (122-40-7)
Listed on the Canadian DSL (Domestic Substances List)

Ethyl maltol (4940-11-8)
Listed on the Canadian DSL (Domestic Substances List)

Dimyrcetol (25279-09-8)
Listed on the Canadian DSL (Domestic Substances List)

Allyl caproate (123-68-2)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Benzyl benzoate (120-51-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Cinnamic alcohol (104-54-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

methyl anthranilate (134-20-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Amyl cinnamic aldehyde (122-40-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on ELINCS (European List of Notified Chemical Substances)

Ethyl maltol (4940-11-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Dimyrcetol (25279-09-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Allyl caproate (123-68-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Benzyl benzoate (120-51-4)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Cinnamic alcohol (104-54-1)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

methyl anthranilate (134-20-3)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Amyl cinnamic aldehyde (122-40-7)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
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Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Ethyl maltol (4940-11-8)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Dimyrcetol (25279-09-8)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Allyl caproate (123-68-2)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

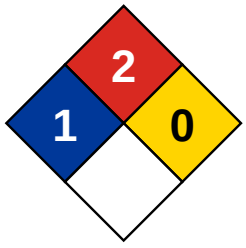
Component	State or local regulations
Refined Soybean oil, USP(8001-22-7)	U.S. - Pennsylvania - RTK (Right to Know) List
Ethyl acetoacetate(141-97-9)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Benzyl acetate(140-11-4)	U.S. - New Jersey - Right to Know Hazardous Substance List
Ethyl caproate(123-66-0)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
methyl benzoate(93-58-3)	U.S. - New Jersey - Right to Know Hazardous Substance List
Aldehyde C-8(124-13-0)	U.S. - Massachusetts - Right To Know List

SECTION 16 — Other Information

Revision date: 9/1/2022

Full text of H-phrases

H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects



NFPA health hazard: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
NFPA reactivity: 0 - Material that in themselves are normally stable, even under fire conditions.

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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