Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 9/29/2021

SECTION 1: Identification

1.1. Identification

Product form Mixture

Product name Spiced Sugar Plum TS150

Product code TS150

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Perfumes, Fragrances Recommended use : Perfumes, Fragrances

1.3. Supplier

1.4. Emergency telephone number

: 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731; Brazil: **Emergency number**

+0-800-591-6042; India: +000-800-100-4086

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4 H227 Combustible liquid Acute toxicity (oral) Category 4 H302 Harmful if swallowed Serious eye damage/eye irritation Category 2 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

GHS US labeling

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 protective gloves/protective clothing/eye protection/face protection. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.

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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	42.95 – 62.95	Acute Tox. 4 (Oral), H302
Vanillin	CAS-No.: 121-33-5	2.5 – 5	Eye Irrit. 2A, H319
Cinnamic aldehyde	CAS-No.: 104-55-2	1.5 – 3	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
Anisyl acetate	CAS-No.: 104-21-2	1.5 – 3	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Veltol plus crystals	CAS-No.: 4940-11-8	1 – 2	Acute Tox. 4 (Oral), H302
Benzene carboxaldehyde	CAS-No.: 100-52-7	0.5 – 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0	0.5 – 1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411

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 : Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and

eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid

contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated

clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product

after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Spiced Sugar Plum TS150

No additional information available

Benzyl benzoate (120-51-4)

No additional information available

Vanillin (121-33-5)

USA - AIHA - Occupational Exposure Limits

WEEL TWA 10 mg/m³

Cinnamic aldehyde (104-55-2)

No additional information available

Anisyl acetate (104-21-2)

No additional information available

Veltol plus crystals (4940-11-8)

No additional information available

Benzene carboxaldehyde (100-52-7)

USA - AIHA - Occupational Exposure Limits

WEEL TWA [ppm]	2 ppm
WEEL STEL [ppm]	4 ppm (15-min. STEL)
AIHA chemical category	Skin sensitizer

Hexyl cinnamic aldehyde (101-86-0)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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Personal protective equipment symbol(s):



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 : Not applicable Freezing point : No data available Boiling point : No data available : No data available

Flash point : 78 °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 : ≈ 1.1

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

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

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

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

lot classified lot classified		
Spiced Sugar Plum TS150		
759.429 mg/kg body weight		
Benzyl benzoate (120-51-4)		
500 mg/kg		
4000 mg/kg		
500 mg/kg body weight		
4000 mg/kg body weight		
> 5010 mg/kg		
2220 mg/kg		
1260 mg/kg		
2220 mg/kg body weight		
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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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

effects in the environment.

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	

Vanillin (121-33-5)

LC50 - Fish [1]	53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

NOEC (acute) 10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])

Veltol plus crystals (4940-11-8)

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

Benzene carboxaldehyde (100-52-7)

LC50 - Fish [1]	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 - Fish [2]	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Benzyl benzoate (120-51-4)

Persistence and degradability May cause long-term adverse effects in the environment.

1

12.3. Bioaccumulative potential

Benzyl benzoate (120-51-4)

Partition coefficient n-octanol/water (Log Pow)	4
Bioaccumulative potential	Not established.

Vanillin (121-33-5)

Partition coefficient n-octanol/water (Log Pow) 1.23 (at 22 °C)

Cinnamic aldehyde (104-55-2)

2.22 (at 18 °C) Partition coefficient n-octanol/water (Log Pow)

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Benzene carboxaldehyde (100-52-7)	
BCF - Fish [1]	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.48 (at 20 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with Department of Transport

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, except for:

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Benzyl benzoate	CAS-No. 120-51-4	42.95 – 62.95%
Vanillin	CAS-No. 121-33-5	2.5 – 5%
Cinnamic aldehyde	CAS-No. 104-55-2	1.5 – 3%
Anisyl acetate	CAS-No. 104-21-2	1.5 – 3%
Veltol plus crystals	CAS-No. 4940-11-8	1 – 2%
Benzene carboxaldehyde	CAS-No. 100-52-7	0.5 – 1%
Hexyl cinnamic aldehyde	CAS-No. 101-86-0	0.5 – 1%

15.2. International regulations

CANADA

Benzyl benzoate (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

Vanillin (121-33-5)

Listed on the Canadian DSL (Domestic Substances List)

Cinnamic aldehyde (104-55-2)

Listed on the Canadian DSL (Domestic Substances List)

Anisyl acetate (104-21-2)

Listed on the Canadian DSL (Domestic Substances List)

Veltol plus crystals (4940-11-8)

Listed on the Canadian DSL (Domestic Substances List)

Benzene carboxaldehyde (100-52-7)

Listed on the Canadian DSL (Domestic Substances List)

Hexyl cinnamic aldehyde (101-86-0)

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)

Vanillin (121-33-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Cinnamic aldehyde (104-55-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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Anisyl acetate (104-21-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Veltol plus crystals (4940-11-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Benzene carboxaldehyde (100-52-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Hexyl cinnamic aldehyde (101-86-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Benzyl benzoate (120-51-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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 Chemicals Inventory)

Vanillin (121-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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 Chemicals Inventory)

Cinnamic aldehyde (104-55-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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 the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

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Anisyl acetate (104-21-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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 INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Veltol plus crystals (4940-11-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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 Chemicals Inventory)

Benzene carboxaldehyde (100-52-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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)

Japanese Pollutant Release and Transfer Register Law (PRTR Law)

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 Chemicals Inventory)

Hexyl cinnamic aldehyde (101-86-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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 Chemicals Inventory)

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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
Benzene carboxaldehyde(100-52-7)	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

SECTION 16: Other information

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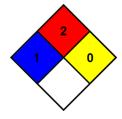
Full text of I	Full text of H-phrases	
H227	Combustible liquid	
H302	Harmful if swallowed	
H312	Harmful in contact with skin	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H411	Toxic to aquatic life with long lasting effects	

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.

 0 - Material that in themselves are normally stable, even under fire conditions.



Safety Data Sheet (SDS), USA

NFPA reactivity

The data contained in this Safety Data Sheet is accurate to the best knowledge of the manufacturer, applies to the product as supplied by the manufacturer and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does the manufacturer assume responsibility for use or reliance upon this data.

This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact the supplier.