Safety Data Sheet — Rainbow Sprinkles Flavoring Oil

Revision Date: 08-Nov-2026 **Revision No.:** 1

Transport Symbol	GHS / WHMIS	NFPA	Personal Protective Equipment
Not controlled	 GHS07		 Goggles · Gloves · Respirator

SECTION 1: Identification

Product Name: Rainbow Sprinkles Flavoring Oil

Synonyms: Birthday cake type fragrance

Intended Use: Fragrance for cosmetic and personal care products.

Restrictions on Use: Not for direct skin application or ingestion in concentrated form. Use only within the maximum levels of the applicable IFRA standards for each product category (see Section 15).

Supplier: TKB Trading, LLC | 939 E 11th St, Oakland, CA 94606

Email: support@tkbtrading.com

Website: www.tkbtrading.com

Emergency Number: TKB Trading: 510-451-9011 (business hours) | Poison Control (US): 1-800-222-1222 (24/7)

Standard: OSHA HazCom 29 CFR 1910.1200 (HazCom 2024) / GHS Rev 7

SECTION 2: Hazards Identification

GHS Classification: Acute Toxicity (oral) — Category 4; Skin Sensitization — Category 1.

Hazard Pictograms: GHS07 (exclamation mark).



Signal Word: **WARNING**

Hazard Statements:

H302 — Harmful if swallowed.
H317 — May cause an allergic skin reaction.

Precautionary Statements:

Prevention: P261 Avoid breathing mist/vapors/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves.

Response: P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see Section 4). P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

Storage: None required. Store in a cool, dry, well-ventilated place in a tightly closed container.

Disposal: P501 Dispose of contents/container in accordance with local, state and federal regulations.

Hazard-Determining Components: Ethyl maltol; ethyl vanillin; vanillin; methyl cinnamic aldehyde.

Hazards Not Otherwise Classified (HNOC): None known.

Other Hazards: High flash point (> 93 °C); not classified as a flammable or combustible liquid, but may burn if strongly heated. Not a PBT or vPvB.

SECTION 3: Composition / Ingredients

Substance / Mixture: Mixture (fragrance compound).

Ingredient	CAS No.	Weight %	GHS-US Classification (pure ingredient)
Ethyl vanillin	121-32-4	>10 – ≤25	Acute Tox. 4 (oral)
Ethyl maltol	4940-11-8	>2.5 – ≤10	Acute Tox. 3 (oral)
Vanillin	121-33-5	>2.5 – <10	Acute Tox. 4 (oral); Eye Irrit. 2A
Delta decalactone	705-86-2	≤2.5	Flam. Liq. 4
Methyl cinnamic aldehyde	101-39-3	≥0.1 – <1	Skin Sens. 1
Orange terpenes	5989-27-5	≥0.1 – <1	Flam. Liq. 3; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1B
Other fragrance ingredients and carriers	Proprietary	Balance	Not classified

Carriers and minor components may include triacetin (102-76-1), anisic aldehyde (123-11-5), ethyl propionate (105-37-3) and butyl acetate (123-86-4), present below the reporting threshold or not classified. Exact percentages are withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

SECTION 4: First Aid Measures

General: Immediately remove any clothing soiled by the product. If you feel unwell, get medical advice and show this safety data sheet to the attending physician.

Inhalation: Move to fresh air and keep at rest. Get medical attention if symptoms develop. If unconscious, place in the recovery position and get medical attention.

Skin Contact: Immediately wash with soap and plenty of water and rinse thoroughly. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact: Rinse opened eye under running water for at least 15 minutes. Remove contact lenses, if present and easy to do; continue rinsing. If irritation persists, get medical advice/attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Call a poison center or doctor if you feel unwell.

Symptoms: Harmful if swallowed (nausea, gastrointestinal discomfort). Skin: allergic skin reaction (redness, rash, itching) in sensitized persons after repeated contact.

Medical Attention: Treat symptomatically.

SECTION 5: Firefighting Measures

Suitable Media: Carbon dioxide (CO_2), dry chemical powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Unsuitable Media: Full (solid) water jet — may spread burning liquid.

Special Hazards: Not flammable under normal conditions (flash point > 93 °C) but may burn if strongly heated. Combustion may produce carbon monoxide and carbon dioxide.

Firefighter PPE: Wear self-contained breathing apparatus (SCBA) and protective clothing. Cool fire-exposed containers with water spray.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes; wear protective gloves and eye protection (see Section 8). Ensure adequate ventilation. Spilled product may make floors slippery.

Environmental: Do not allow to enter sewers, surface water or ground water.

Containment and Cleanup: Absorb with liquid-binding material (sand, diatomite, universal binder, sawdust). Place in a suitable closed container and dispose of according to Section 13.

Protective Action Criteria (PAC)	PAC-1	PAC-2	PAC-3
Triacetin (102-76-1)	19 mg/m³	210 mg/m³	1,200 mg/m³
Orange terpenes (5989-27-5)	15 ppm	67 ppm	170 ppm
Anisic aldehyde (123-11-5)	21 mg/m³	230 mg/m³	300 mg/m³
Ethyl propionate (105-37-3)	6.3 ppm	69 ppm	410 ppm
Butyl acetate (123-86-4)	5 ppm	200 ppm	3,000 ppm

SECTION 7: Handling and Storage

Safe Handling: Avoid contact with skin and eyes; wear protective gloves. Ensure good ventilation/exhaust at the workplace and prevent formation of aerosols. Do not eat, drink or smoke when using this product. Keep away from foodstuffs, beverages and feed. Contaminated work clothing should not be allowed out of the workplace. Wash hands after handling.

Storage: Store in tightly sealed containers in a cool, dry, well-ventilated place, away from heat, sparks, open flame and direct sunlight.

Incompatible Materials: Strong oxidizing agents.

SECTION 8: Exposure Controls / Personal Protection

Component (CAS No.)	OSHA PEL (TWA)	ACGIH TLV	Other
Vanillin (121-33-5)	Not established	Not established	WEEL (OARS): 10 mg/m³
Other components	Not established	Not established	Not established

Engineering Controls: Ensure good general ventilation; use local exhaust where mists or vapors may be generated.

Eye Protection: Safety glasses with side shields; goggles recommended during refilling.

Hand and Skin Protection: Impervious, chemical-resistant gloves (e.g., nitrile). Check glove breakthrough time before use.

Respiratory: Not normally required with adequate ventilation. For brief exposure use a respirator with organic vapor cartridge; for intensive or prolonged exposure use a supplied-air respirator, as part of a program meeting 29 CFR 1910.134.

Hygiene Measures: Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

SECTION 9: Physical and Chemical Properties

Physical State / Appearance: Liquid; clear, pale yellow to yellow

Odor: Characteristic (sweet, vanilla, birthday cake)

Odor Threshold: Not available

pH: Not available

Melting / Freezing Point: Not available

Boiling Point / Range: 266 °C (510.8 °F)

Flash Point: > 93 °C (> 199.4 °F)

Flammability: Not flammable (flash point > 93 °C)

Explosion Limits (Lower / Upper): Not available

Autoignition Temperature: 410 °C (770 °F)

Explosive Properties: Product does not present an explosion hazard

Vapor Pressure: Not available

Vapor Density: Not available

Density: 1.15 g/cm³ at 20 °C (9.56 lb/gal)

Solubility in Water: Not miscible or difficult to mix

Partition Coefficient (n-octanol/water): Not available

Decomposition Temperature: Not available

Viscosity: Not available

VOC Content: 0.65% (7.4 g/L; 0.06 lb/gal); organic solvents 0.7%; solids content 25.3%

SECTION 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable; no decomposition if used according to specifications.

Hazardous Reactions: No dangerous reactions known.

Conditions to Avoid: Excessive heat and direct sunlight.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: None under normal use. In case of fire: carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information

Likely Routes of Exposure: Skin contact, eye contact, inhalation, ingestion.

Acute Toxicity: Oral: Category 4 — harmful if swallowed (ATEmix oral LD50 966 mg/kg). Dermal and inhalation: not classified. Ethyl vanillin — oral LD50 1,590 mg/kg (rat). Vanillin — oral LD50 1,580 mg/kg (rat). Methyl cinnamic aldehyde — oral LD50 2,050 mg/kg (rat). Orange terpenes — oral LD50 4,400 mg/kg (rat).

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Irritation: Not classified (vanillin present below 10%).

Respiratory or Skin Sensitization: Skin Sensitization Category 1 — may cause an allergic skin reaction (methyl cinnamic aldehyde, orange terpenes). Respiratory: not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified. Not listed by NTP or OSHA. Orange terpenes (limonene): IARC Group 3 — not classifiable as to carcinogenicity in humans.

Reproductive Toxicity: Not classified.

STOT — Single / Repeated Exposure: Not classified.

Aspiration Hazard: Not classified (orange terpenes present below 1%).

SECTION 12: Ecological Information

Ecotoxicity: No data available for the product. Not classified as hazardous to the aquatic environment under OSHA HazCom.

Persistence/Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: Not a PBT or vPvB. Do not allow product to reach ground water, watercourses or sewage systems.

SECTION 13: Disposal Considerations

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations. Do not dispose of with household garbage; do not allow product to reach the sewage system.

Contaminated Packaging: Dispose of according to official regulations.

SECTION 14: Transport Information

UN Number: Not regulated (DOT / IMDG / IATA).

UN Proper Shipping Name: Not regulated.

Transport Hazard Class: Not regulated.

Packing Group: Not regulated.

Environmental Hazards: Not applicable. Not a marine pollutant.

SECTION 15: Regulatory Information

US Federal Regulations: Hazardous under OSHA HazCom 2024 (29 CFR 1910.1200). TSCA: all substances are active or exempt. SARA 302/355 (extremely hazardous substances): none listed. SARA 311/312 hazard categories: Acute toxicity (any route of exposure); Respiratory or skin sensitization. SARA 313: none listed. Hazardous Air Pollutants: none listed.

US State Regulations: California Proposition 65: none of the ingredients is listed as known to cause cancer or reproductive/developmental toxicity.

Other Regulations: Fragrance for cosmetic use. Contains methyl cinnamic aldehyde and limonene (from orange terpenes), which are declarable fragrance allergens. Use only within the maximum levels stated on the IFRA certificate for each product category.

SECTION 16: Other Information

Indication of Changes: Issued in 16-section GHS format aligned to OSHA HazCom 2024 / GHS Rev 7.

Revision No. / Date: 1 / 08-Nov-2026

NFPA Rating: Health: 1 | Flammability: 1 | Instability: 0

HMIS Rating: Health: 1 | Flammability: 1 | Physical Hazard: 0

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