

SAFETY DATA SHEET

1. Identification

Product identifier COUNTRY BERRY Hotcakes

Other means of identification

Product code

Recommended use Not available.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Telephone

Main 1-847-816-3500

Toll free 1-800-373-4709

Infotrac (US & Canada)

Emergency phone number

Infotrac (International)

1-800-535-5053

1-352-323-3500

2. Hazard(s) identification

Physical hazards Flammable liquids Category 4

Health hazards Acute toxicity, oral Category 4

Skin corrosion/irritation Category 1

Serious eye damage/eye irritation Category 1

Sensitization, skin Category 1A

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 3

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Combustible liquid. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

Keep away from flames and hot surfaces-No smoking. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.

Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	70.38% of the mixture consists of component(s) of unknown acute oral toxicity. 75.6% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 68.14% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Benzyl benzoate	120-51-4	10 - < 20*
Ethyl methylphenylglycidate	77-83-8	5 - < 10*
Benzyl alcohol	100-51-6	3 - < 5*
Ethyl maltol	4940-11-8	3 - < 5*
Ethyl vanillin	121-32-4	3 - < 5*
Vanillin	121-33-5	3 - < 5*
4-(p-Hydroxyphenyl)-2-butanone	5471-51-2	1 - < 3*
Coumarin	91-64-5	1 - < 3*
gamma-Nonalactone	104-61-0	1 - < 3*
Butylated hydroxytoluene	128-37-0	< 1*
Cinnamaldehyde	104-55-2	< 1*
Diacetyl	431-03-8	< 1*
Methyl cinnamate	103-26-4	< 1*
Benzaldehyde	100-52-7	< 0.2*
Benzyl acetate	140-11-4	< 0.2*
Ethyl acetate	141-78-6	< 0.2*
Acetic acid	64-19-7	< 0.1*
Acetophenone	98-86-2	< 0.1*
Denatured alcohol SD-39c	64-17-5	< 0.1*
Propionic acid	79-09-4	< 0.1*
Other components below reportable levels		60 - < 70

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
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. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. 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 The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. 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 Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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). 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. Wipe up with absorbent material (e.g. cloth, fleece). 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 release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

Precautions for safe handling Keep away from open flames, hot surfaces and sources of ignition. Provide adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Acetic acid (CAS 64-19-7)	PEL	25 mg/m ³ 10 ppm
Denatured alcohol SD-39c (CAS 64-17-5)	PEL	1900 mg/m ³ 1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl acetate (CAS 141-78-6)	PEL	1400 mg/m ³
		400 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acetic acid (CAS 64-19-7)	STEL	15 ppm	Inhalable fraction and vapor.
	TWA	10 ppm	
Acetophenone (CAS 98-86-2)	TWA	10 ppm	
Benzyl acetate (CAS 140-11-4)	TWA	10 ppm	
Butylated hydroxytoluene (CAS 128-37-0)	TWA	2 mg/m ³	
Denatured alcohol SD-39c (CAS 64-17-5)	STEL	1000 ppm	
Diacetyl (CAS 431-03-8)	STEL	0.02 ppm	
	TWA	0.01 ppm	
Ethyl acetate (CAS 141-78-6)	TWA	400 ppm	
Propionic acid (CAS 79-09-4)	TWA	10 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetic acid (CAS 64-19-7)	STEL	37 mg/m ³
		15 ppm
	TWA	25 mg/m ³
Butylated hydroxytoluene (CAS 128-37-0)		10 ppm
	TWA	10 mg/m ³
Denatured alcohol SD-39c (CAS 64-17-5)	TWA	1900 mg/m ³
Ethyl acetate (CAS 141-78-6)		1000 ppm
		1400 mg/m ³
	TWA	400 ppm
Propionic acid (CAS 79-09-4)	STEL	45 mg/m ³
		15 ppm
	TWA	30 mg/m ³
		10 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Acetophenone (CAS 98-86-2)	TWA	50 mg/m ³
		10 ppm
Benzaldehyde (CAS 100-52-7)	STEL	17.4 mg/m ³
		4 ppm
Benzyl alcohol (CAS 100-51-6)		8.7 mg/m ³
	TWA	2 ppm
		44.2 mg/m ³
Vanillin (CAS 121-33-5)		10 ppm
	TWA	10 mg/m ³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls	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. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield. Face shield is recommended.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Keep away from food and drink. 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	Light to Medium Yellow
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	Characteristic of name
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	-65.35 °F (-54.09 °C) estimated
Initial boiling point and boiling range	573.84 °F (301.02 °C) estimated
Flash point	174.0 °F (78.9 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.733 mm Hg
Vapor pressure temp.	68 °F (20 °C)
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	NO
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	738.73 °F (392.63 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Density	8.10 lbs/gal estimated
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Refractive index	1.4777 - 1.4827
Specific gravity	0.975 - 1.015
VOC (Weight %)	2.5 %

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	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns. Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
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Information on toxicological effects

Acute toxicity	Harmful if swallowed. May cause an allergic skin reaction.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
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.
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Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
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IARC Monographs. Overall Evaluation of Carcinogenicity

Benzyl acetate (CAS 140-11-4)	3 Not classifiable as to carcinogenicity to humans.
Butylated hydroxytoluene (CAS 128-37-0)	3 Not classifiable as to carcinogenicity to humans.
Coumarin (CAS 91-64-5)	3 Not classifiable as to carcinogenicity to humans.

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	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Acetic acid	-0.17
Acetophenone	1.58
Benzaldehyde	1.48
Benzyl acetate	1.96
Benzyl alcohol	1.1
Benzyl benzoate	3.97
Coumarin	1.39
Denatured alcohol SD-39c	-0.31
Ethyl acetate	0.73
Ethyl vanillin	1.61
Propionic acid	0.33
Vanillin	1.37

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.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.

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 Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III

Environmental hazards

Marine pollutant

Yes

EmS

F-A, S-F

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

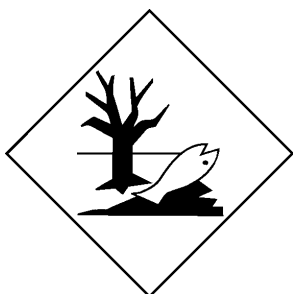
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not established.

IATA; IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Acetic acid (CAS 64-19-7)	Listed.
Acetophenone (CAS 98-86-2)	Listed.
Ethyl acetate (CAS 141-78-6)	Listed.
Propionic acid (CAS 79-09-4)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Acetophenone (CAS 98-86-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Benzaldehyde (CAS 100-52-7) 50 %WV

DEA Exempt Chemical Mixtures Code Number

Benzaldehyde (CAS 100-52-7) 8256

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetophenone (CAS 98-86-2)

US. Massachusetts RTK - Substance List

Acetic acid (CAS 64-19-7)

Acetophenone (CAS 98-86-2)

Benzaldehyde (CAS 100-52-7)

Benzyl alcohol (CAS 100-51-6)

Butylated hydroxytoluene (CAS 128-37-0)

Denatured alcohol SD-39c (CAS 64-17-5)

Diacetyl (CAS 431-03-8)

Ethyl acetate (CAS 141-78-6)

Propionic acid (CAS 79-09-4)

US. New Jersey Worker and Community Right-to-Know Act

Acetic acid (CAS 64-19-7)

Acetophenone (CAS 98-86-2)

Benzaldehyde (CAS 100-52-7)

Benzyl acetate (CAS 140-11-4)

Butylated hydroxytoluene (CAS 128-37-0)

Denatured alcohol SD-39c (CAS 64-17-5)

Diacetyl (CAS 431-03-8)

Ethyl acetate (CAS 141-78-6)

Propionic acid (CAS 79-09-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Acetic acid (CAS 64-19-7)

Acetophenone (CAS 98-86-2)

Benzaldehyde (CAS 100-52-7)

Benzyl alcohol (CAS 100-51-6)

Butylated hydroxytoluene (CAS 128-37-0)

Denatured alcohol SD-39c (CAS 64-17-5)

Diacetyl (CAS 431-03-8)

Ethyl acetate (CAS 141-78-6)

Propionic acid (CAS 79-09-4)

US. Rhode Island RTK

Acetic acid (CAS 64-19-7)

Acetophenone (CAS 98-86-2)

Ethyl acetate (CAS 141-78-6)

Propionic acid (CAS 79-09-4)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 06-02-2016
Version # 01
HMIS® ratings Health: 2
Flammability: 1
Physical hazard: 0
Personal protection: D

NFPA ratings Health: 2
Flammability: 1
Instability: 0

NFPA ratings



Disclaimer

Just Scent cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.