

SAFETY DATA SHEET

WHIPPED MARSHMALLOW FRAGRANCE OIL

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Whipped Marshmallow Fragrance Oil

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

Class and category of danger:

Acute Toxicity - Oral Category 5

Skin Corrosion / Irritation Category 3

Eye Damage / Irritation Category 2

Hazardous to the Aquatic Environment - Acute Hazard Category 1

Hazardous to the Aquatic Environment - Long-term Hazard Category 1

H303, May be harmful if swallowed.

H316, Causes mild skin irritation.

H319, Causes serious eye irritation.

H410, Very toxic to aquatic life with long lasting effects.

Label elements

Signal word: Warning

Hazard statements:

H303, May be harmful if swallowed.

H316, Causes mild skin irritation.

H319, Causes serious eye irritation.

H410, Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P264, Wash hands and other contacted skin thoroughly after handling.

P273, Avoid release to the environment.

P280, Wear protective gloves/eye protection/face protection.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312, Call a POISON CENTRE or doctor/physician if you feel unwell.

P337/313, If eye irritation persists: Get medical advice/attention.

P332/313, If skin irritation occurs: Get medical advice/attention.

P391, Collect spillage.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



Other hazards

Other hazards: Hydrocarbon Concentration %: 0.0000%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Contains:

Name	CAS	%	GHS Classification
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-05	50–100%	Skin Irrit. 3; Aquatic Acute 1; Aquatic Chronic 1; H316-H410
Benzyl benzoate	120-51-4	20–<50%	Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 2; H302-H400-H411
Vanillin	121-33-5	5–<10%	Acute Tox. 5; Acute Tox. 5; Eye Irrit. 2A; Aquatic Acute 3; H303-H313-H319-H402
Benzyl alcohol	100-51-6	5–<10%	Acute Tox. 4; Eye Irrit. 2A; H302-H319
Ethyl maltol	4940-11-8	1–<5%	Acute Tox. 4; Aquatic Acute 2; H302-H401
Ethyl vanillin	121-32-4	1–<5%	Acute Tox. 5; Eye Irrit. 2B; Aquatic Acute 3; H303-H320-H402

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

Substances with workplace exposure limits, not listed above:

Not Applicable

4. FIRST AID MEASURES

Description of first aid measures

Inhalation:

Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin exposure:

Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

Ingestion:

Rinse mouth with water and obtain medical attention.

Most important symptoms and effects, both acute and delayed

May be harmful if swallowed.

Causes mild skin irritation.

Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

Environmental precautions:

Keep away from drains, surface and ground water, and soil.

Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

Reference to other sections:

Also refer to sections 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Workplace exposure limits: Not Applicable

Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel:

a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an

approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Free flowing liquid without sediment
Odour	Characteristic
Odour threshold	Not determined
pH	Not determined
Melting point / Freezing point	Not determined
Initial boiling point / Range	Not determined
Flash point	> 93 °C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper / Lower flammability or explosive limits	Product does not present an explosion hazard
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1.0460 – 1.0760
Solubility(ies)	Not determined
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not expected
Oxidising properties	Not expected

Other information:

Flash Point (Fahrenheit): > 200 °F

Refractive Index @ 20C: 1.5452 - 1.5552

Color Range: 3 Very Pale Yellow - 1 Very Pale Yellow

Calculated VOC: 0.05

10. STABILITY AND REACTIVITY

Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

Chemical stability:

Good stability under normal storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Hazardous decomposition products:

Not expected.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

Acute Toxicity: Acute Toxicity - Oral Category 5

Acute Toxicity Oral 3198

Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 3

Serious eye damage/irritation: Eye Damage / Irritation Category 2

Respiratory or skin sensitisation: Based on available data the classification criteria are not met.

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
Benzyl alcohol	100-51-6	1570	Not available	Not available	Not available
Benzyl benzoate	120-51-4	1160	Not available	Not available	Not available
Ethyl maltol	4940-11-8	1200	Not available	Not available	Not available
Ethyl vanillin	121-32-4	3000	Not available	Not available	Not available
Vanillin	121-33-5	3300	2600	Not available	Not available

Refer to Sections 2 and 3 for additional information.

12. ECOLOGICAL INFORMATION

Toxicity:

Very toxic to aquatic life with long lasting effects.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

	UN Number	Proper Shipping Name	Transport Hazard Class(es)	Sub Risk:	Packing Group
UN Model Regulations	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)	9	-	III
IMDG	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)	9	-	III
ADR/RID/ADN	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)	9	-	III
ICAO TI	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)	9	-	III

Environmental hazards:

This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

Special precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

15. REGULATORY INFORMATION

Components listed on California's SB312

Name	CAS	%
Benzyl benzoate	120-51-4	20-<50%

Benzyl alcohol	100-51-6	5-<10%
----------------	----------	--------

Additional formulation properties

Name	CAS	%
Vanillin	121-33-5	5-<10%
Ethyl vanillin	121-32-4	1-<5%

16. OTHER INFORMATION

Concentration % Limits: SCI 3=18.23% EDI 2A=58.82% EH A1=31.91% EH A2=3.17% EH A3=0.31681663% EH C1=45.58% EH C2=4.37% EH C3=0.43709732% EH C4=31.91%

Total Fractional Values: SCI 3=5.48 EDI 2A=1.70 EH A1=3.13 EH A2=31.52 EH A3=315.64 EH C1=2.19 EH C2=22.88 EH C3=228.78 EH C4=3.13

All statements, technical information and recommendations contained herein are based on tests and data which Natural Bulk Supplies believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.