

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : OIL, STRAWBERRY MILKSHAKE*
 CAS-No. : N/A
 Product code : 90-3040-56

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Nature's Oil
 115 Lena Drive
 Aurora, OH 44202 - United States
 1-888-728-7612
 documents@naturesoil.com - www.naturesoil.com

1.4. Emergency telephone number

Emergency number

Domestic: 1-800-633-8253
 International: 1-801-629-0667

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation Category 2
 Skin sensitization, Category 1

Causes serious eye irritation
 May cause an allergic skin reaction

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



GHS07

Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

May cause an allergic skin reaction
 Causes serious eye irritation

Precautionary statements (GHS US) :

Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash hands, forearms and face thoroughly after handling.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If on skin: Wash with plenty of water.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Specific treatment (see supplemental first aid instruction on this label).
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 | 10 - 25 | Acute Tox. 4 (Oral), H302 |
| Ethyl methylphenylglycidate | (CAS-No.) 77-83-8 | 10 - 25 | Skin Sens. 1B, H317 |
| ETHYL VANILLIN | (CAS-No.) 121-32-4 | 5 - 10 | Eye Irrit. 2B, H320 |
| VANILLIN | (CAS-No.) 121-33-5 | 1 - 5 | Eye Irrit. 2, H319 |
| PIPERONAL | (CAS-No.) 120-57-0 | 1 - 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| ETHYL LACTATE | (CAS-No.) 97-64-3 | 1 - 5 | Flam. Liq. 3, H226 Eye Dam. 1, H318 STOT SE 3, H335 |
| ETHYL MALTOL | (CAS-No.) 4940-11-8 | 1 - 5 | Acute Tox. 4 (Oral), H302 |

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 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 : 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.

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

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

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

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

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

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.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

VANILLIN (121-33-5)

Not applicable

ETHYL LACTATE (97-64-3)

Not applicable

ALDEHYDE C-16 (77-83-8)

Not applicable

VELTOL PLUS (4940-11-8)

Not applicable

BENZYL BENZOATE (120-51-4)

Not applicable

HELIOTROPINE CRYSTALS (120-57-0)

Not applicable

ETHYL VANILLIN NF (121-32-4)

Not applicable

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
: COLORLESS TO PALE YELLOW

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|---|--|
| Odor | : CHARACTERISTIC, MATCHING RETAINER SAMPLE |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 97 °C |
| 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 | : 1.065 (1.055 - 1.075) |
| Solubility | : Insoluble. |
| 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

Refractive index : 1.496 (1.486 - 1.506)

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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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 : Not classified

| VANILLIN (121-33-5) | |
|---------------------|---|
| LD50 oral rat | 3300 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal, 14 day(s)) |
| ATE US (oral) | 3300 mg/kg body weight |

| VELTOL PLUS (4940-11-8) | |
|-------------------------|-------------------------------|
| LD50 oral rat | 1150 mg/kg (Rat, Oral) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit, Dermal) |

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| VELTOL PLUS (4940-11-8) | |
|---|---|
| ATE US (oral) | 1150 mg/kg body weight |
| BENZYL BENZOATE (120-51-4) | |
| LD50 oral rat | > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal) |
| ATE US (oral) | 1500 mg/kg body weight |
| ATE US (dermal) | 4000 mg/kg body weight |
| HELIOTROPINE CRYSTALS (120-57-0) | |
| LD50 oral rat | 2700 mg/kg (Rat, Oral) |
| LD50 dermal rat | > 5000 mg/kg (Rat, Dermal) |
| ATE US (oral) | 2700 mg/kg body weight |
| ETHYL VANILLIN NF (121-32-4) | |
| ATE US (oral) | 3000 mg/kg body weight |
| 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 |
| 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.

| VANILLIN (121-33-5) | |
|----------------------------|---|
| LC50 fish 1 | 57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | 36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| ErC50 (algae) | 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |

| BENZYL BENZOATE (120-51-4) | |
|-----------------------------------|---|
| LC50 fish 1 | 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) |
| EC50 Daphnia 1 | 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |

12.2. Persistence and degradability

| VANILLIN (121-33-5) | |
|--------------------------------|---|
| Persistence and degradability | Readily biodegradable in water. |
| VELTOL PLUS (4940-11-8) | |
| Persistence and degradability | Biodegradability in water: no data available. |

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| BENZYL BENZOATE (120-51-4) | |
|---|--|
| Persistence and degradability | Readily biodegradable in water. |
| HELIOTROPINE CRYSTALS (120-57-0) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| ThOD | 1.71 g O ₂ /g substance |

12.3. Bioaccumulative potential

| VANILLIN (121-33-5) | |
|----------------------------|---|
| Log Pow | 1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| VELTOL PLUS (4940-11-8) | |
|--------------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

| BENZYL BENZOATE (120-51-4) | |
|-----------------------------------|--|
| BCF fish 1 | 2.286 (BCFBAF v3.00, Pisces, QSAR) |
| Log Pow | 3.97 (Experimental value, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| HELIOTROPINE CRYSTALS (120-57-0) | |
|---|--|
| Log Pow | 1.05 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| VANILLIN (121-33-5) | |
|----------------------------|-------------------------------------|
| Log Koc | 3.438 (log Koc, Experimental value) |
| Ecology - soil | Low potential for mobility in soil. |

| BENZYL BENZOATE (120-51-4) | |
|-----------------------------------|--|
| Surface tension | 0.027 N/m (210 °C) |
| Log Koc | 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value) |
| Ecology - soil | Low potential for mobility in soil. |

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

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| |
|---|
| VANILLIN (121-33-5) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| ETHYL LACTATE (97-64-3) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| ALDEHYDE C-16 (77-83-8) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| VELTOL PLUS (4940-11-8) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| BENZYL BENZOATE (120-51-4) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| HELIOTROPINE CRYSTALS (120-57-0) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| ETHYL VANILLIN NF (121-32-4) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

15.2. International regulations

CANADA

| |
|---|
| VANILLIN (121-33-5) |
| Listed on the Canadian DSL (Domestic Substances List) |
| ETHYL LACTATE (97-64-3) |
| Listed on the Canadian DSL (Domestic Substances List) |
| ALDEHYDE C-16 (77-83-8) |
| Listed on the Canadian DSL (Domestic Substances List) |
| VELTOL PLUS (4940-11-8) |
| Listed on the Canadian DSL (Domestic Substances List) |
| BENZYL BENZOATE (120-51-4) |
| Listed on the Canadian DSL (Domestic Substances List) |
| HELIOTROPINE CRYSTALS (120-57-0) |
| Listed on the Canadian DSL (Domestic Substances List) |
| ETHYL VANILLIN NF (121-32-4) |
| Listed on the Canadian DSL (Domestic Substances List) |

EU-Regulations

No additional information available

National regulations

No additional information available

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

| |
|--|
| ETHYL LACTATE (97-64-3) |
| U.S. - New Jersey - Right to Know Hazardous Substance List |

SECTION 16: Other information

Revision date : 01/25/2019

OIL, STRAWBERRY MILKSHAKE*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

| | |
|------|-------------------------------------|
| H226 | Flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H320 | Causes eye irritation |
| H335 | May cause respiratory irritation |

SDS US (GHS HazCom 2012) - Bulk Apothecary

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.