SAFETY DATA SHEET (SDS)

CEREAL FRAGRANCE OIL

Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Identifier

Product identifier: CEREAL

Other identifiers: None

1.2 Relevant identified uses of the substance of mixture and uses advised against

Product uses: Aromatic fragrance ingredient in concentrated form to be combined with other ingredients to create a finished product. Use according to established regulatory guidelines. For Manufacturing Use Only.

1.3 Details of the supplier of the safety data sheet

Company name: Cosmetic Labs Canada

Company address: 298 Wellington St W, Sault Ste. Marie, Ontario, Canada P6A 1H7

Website: www.cosmeticlabscanada.com

Company phone / after-hours support: 705-910-6300

1.4 Emergency telephone number

After-hours support: 705-910-6300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of Flammable Liquid, Hazard Category 4

danger: Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 2

Sensitization - Skin Category 1

Aspiration Hazard Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 1

Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H227, Combustible liquid.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Danger

Hazard statements: H227, Combustible liquid.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.
H400, Very toxic to aquatic life.
H411, Toxic to aquatic life with long lasting effects.
Precautionary P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
statements: P261, Avoid breathing vapour or dust.
P264, Wash hands and other contacted skin thoroughly after handling.
P272, Contaminated work clothing should not be allowed out of the workplace.
P273, Avoid release to the environment.
P280, Wear protective gloves/eye protection/face protection.
P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302/352, IF ON SKIN: Wash with plenty of soap and water.
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331, Do not induce vomiting.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P337/313, If eye irritation persists: Get medical advice/attention.
P362, Take off contaminated clothing and wash before reuse.
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391, Collect spillage.
P403/235, Store in a well-ventilated place. Keep cool.
P405, Store locked up.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:


GHS07


GHS08


GHS09

2.3 Other hazards

Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name CAS % GHS Classification
Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1-
Citral 5392-40-5 28.90%
Aquatic Acute 2;H313-H315-H317-H319-H401
Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-
d-Limonene 5989-27-5 18.53% Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315-H317-H400-H412

Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2B-Skin Sens. 1B-
Linalyl acetate 115-95-7 9.60%
Aquatic Acute 3;H227-H315-H317-H320-H402
Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin
Linalool 78-70-6 7.70% Sens. 1B-Aquatic Acute 3;H227-H303-H315-H317-
H319-H402
Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-
alpha-Terpineol 98-55-5 7.25%
Aquatic Acute 2;H227-H303-H315-H319-H401
3-(5,5,6-Trimethylbicyclo[2.2.1] Skin Irrit. 3-Eye Irrit. 2A-Aquatic Acute 1-Aquatic
3407-42-9 7.25%
hept-2-yl)cyclohexan-1-ol Chronic 2;H316-H319-H400-H411
Acute Tox. 5-Eye Irrit. 2B-Aquatic Acute 3;H303-H320-
Ethyl vanillin 121-32-4 5.20%
H402
Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-
alpha-Pinene 80-56-8 3.30% Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-
H302-H304-H315-H317-H410
Ethyl maltol 4940-11-8 2.15% Acute Tox. 4-Aquatic Acute 2;H302-H401
Flam. Liq. 4-Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2-Eye
Citronellal 106-23-0 1.60% Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H227-H303-
H313-H315-H317-H319-H401
Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin
dl-Citronellol 106-22-9 1.40% Sens. 1B-Aquatic Acute 2;H303-H313-H315-H317-
H319-H401
Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic
Benzyl benzoate 120-51-4 1.40%
Chronic 2;H302-H313-H400-H411
Acute Tox. 5-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-
Geraniol 106-24-1 1.30%
Aquatic Acute 3;H303-H315-H317-H318-H402
Flam. Liq. 4-Skin Irrit. 3-Eye Irrit. 2A-Aquatic Acute 2-
Decanal 112-31-2 1.00%
Aquatic Chronic 3;H227-H316-H319-H401-H412
Skin Irrit. 2-Aquatic Acute 2-Aquatic Chronic 2;H315-
Citronellyl acetate 150-84-5 0.85%
H411
Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic
Geranyl acetate 105-87-3 0.50%
Chronic 3;H315-H317-H401-H412
Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 2-
Octanal 124-13-0 0.40%
Aquatic Chronic 2;H226-H315-H319-H411
Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2A-Asp. Tox 1-Aquatic
Myrcene (Naturally-Occurring) 123-35-3 0.39% Acute 1-Aquatic Chronic 2;H226-H304-H315-H319-

H400-H411
Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H315-H317-
Lauric aldehyde 112-54-9 0.35%
H319
Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Aquatic Acute
Dibenzyl ether 103-50-4 0.10%
1-Aquatic Chronic 1;H303-H316-H317-H410
Flam. Sol. 1-Skin Irrit. 2-Aquatic Acute 2;H228-H315-
l-Borneol 464-45-9 0.10%
H401
Substances with workplace exposure limits, not listed above:
Not Applicable

Section 4. First-aid measures

4.1 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: IF ON SKIN: Wash with plenty of soap and water.
Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

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

6.2 Environmental precautions:

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

6.3 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.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 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.

7.2 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.

7.3 Specific end use(s):

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

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 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.

Section 9. Physical and chemical properties

9.1 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: 63 °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: 0.9000 - 0.9100
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

9.2 Other information:

Refractive Index @ 20C: 1.4765 - 1.4865
Flash Point (Fahrenheit): 146 °F
Calculated VOC: 19.30
Color Range: 1 Very Pale Yellow - 3 Very Pale Yellow

Section 10. Stability and reactivity

10.1 Reactivity:

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

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 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: Based on available data the classification criteria are not met.
Acute Toxicity Oral >5000
Acute Toxicity Dermal >5000
Acute Toxicity Inhalation Not Available
Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation: Eye Damage / Irritation Category 2
Respiratory or skin sensitisation: Sensitization - Skin Category 1
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: Aspiration Hazard Category 1
Information about hazardous ingredients in the mixture
Not Applicable
Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 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.

Section 14. Transport information

14.1 UN 14.2 UN Proper Shipping Name: 14.3 Sub Risk: 14.4. Packing

number: Transport Group:
hazard
class(es):
UN Model UN3082 ENVIRONMENTALLY HAZARDOUS 9 - III
Regulations SUBSTANCE, LIQUID, N.O.S. (alpha-
Pinene, d-Limonene)
IMDG UN3082 ENVIRONMENTALLY HAZARDOUS 9 - III
SUBSTANCE, LIQUID, N.O.S. (alpha-
Pinene, d-Limonene) MARINE
POLLUTANT
ADR,RID,ADN UN3082 ENVIRONMENTALLY HAZARDOUS 9 - III
SUBSTANCE, LIQUID, N.O.S. (alpha-
Pinene, d-Limonene)
ICAO TI UN3082 ENVIRONMENTALLY HAZARDOUS 9 - III

SUBSTANCE, LIQUID, N.O.S. (alpha-
Pinene, d-Limonene)

14.5 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.

14.6 Special precautions for user: None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

Section 15. Regulatory information

Components listed on California's Proposition 65:
Name CAS %
Myrcene (Naturally-Occurring) 123-35-3 0.386
Additional formulation properties
Name CAS %
Ethyl vanillin 121-32-4 5.2

Section 16. Other information

Concentration % Limits: EH A1=80.76% EH A2=7.11% EH A3=0.70574619% EH C2=58.67% EH
C3=5.61% EH C4=79.19% SCI 2=12.57% SCI 3=1.21% EDI 2A=12.06%
EDI 2B=67.57% SS 1=3.46% AH 1=44.91%
Total Fractional Values: EH A1=1.24 EH A2=14.07 EH A3=141.69 EH C2=1.70 EH C3=17.83 EH
C4=1.26 SCI 2=7.96 SCI 3=82.98 EDI 2A=8.29 EDI 2B=1.48 SS 1=28.90
AH 1=2.23
Key to revisions:
Not applicable

Key to abbreviations:
Abbreviation Meaning
Acute Tox. 4 Acute Toxicity - Oral Category 4
Acute Tox. 5 Acute Toxicity - Dermal Category 5
Acute Tox. 5 Acute Toxicity - Oral Category 5
Aquatic Acute 1 Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Acute 2 Hazardous to the Aquatic Environment - Acute Hazard Category 2
Aquatic Acute 3 Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1 Aspiration Hazard Category 1
Eye Dam. 1 Eye Damage / Irritation Category 1
Eye Irrit. 2A Eye Damage / Irritation Category 2A
Eye Irrit. 2B Eye Damage / Irritation Category 2B
Flam. Liq. 3 Flammable Liquid, Hazard Category 3

Flam. Liq. 4 Flammable Liquid, Hazard Category 4
Flam. Sol. 1 Flammable Solid, Hazard Category 1
H226 Flammable liquid and vapour.
H227 Combustible liquid.
H228 Flammable solid.
H302 Harmful if swallowed.
H303 May be harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H320 Causes eye irritation.
H400 Very toxic to aquatic life.
H401 Toxic to aquatic life.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
P210 Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour or dust.
P264 Wash hands and other contacted skin 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.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352 IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P303/361/353
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to
P305/351/338
do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
P330 Rinse mouth.

P331 Do not induce vomiting.
P332/313 If skin irritation occurs: Get medical advice/attention.
P333/313 If skin irritation or rash occurs: Get medical advice/attention.
P337/313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391 Collect spillage.
P403/235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.
Skin Irrit. 2 Skin Corrosion / Irritation Category 2
Skin Irrit. 3 Skin Corrosion / Irritation Category 3
Skin Sens. 1 Sensitization - Skin Category 1
Skin Sens. 1B Sensitization - Skin Category 1B

Disclaimer & Caution

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.