



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Number 714CON

Manufacturer Apex Flavors, Inc.
1371 Brass Mill Rd
Suite A
Belcamp, MD 21017
(410) 565-6600

Product name PEPPERMINT CREME DE MENTHE FLAVOR, NATURAL WONF (OIL SOLUBLE)

Pure substance/mixture Mixture

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

Recommended Use No information available

1.3. Details of the supplier of the safety data sheet

For further information, please contact:

E-mail Address cpisano@apexflavors.com

1.4. Emergency telephone number

Emergency telephone Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

| | |
|---------------------------|------------|
| Skin corrosion/irritation | Category 3 |
| Skin sensitization | Category 1 |
| Acute aquatic toxicity | Category 3 |
| Chronic aquatic toxicity | Category 3 |
| Flammable liquids | Category 4 |

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

2.2. Label elements



Signal Word
Warning

Hazard Statements

H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects

H227 - Combustible liquid

Precautionary Statements

P280 - Wear eye protection/ face protection

P321 - Specific treatment (see .? on this label)

P403 + P235 - Store in a well-ventilated place. Keep cool

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P280 - Wear protective gloves/ eye protection/ face protection

2.3. Other information**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

| Chemical Name | EC-No | CAS-No | Alternate CAS # | Weight % | Classification according to Directive 67/548/EEC or 1999/45/EC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|-----------------|-----------|-----------|-----------------|----------|--|--|---------------------------|
| MENTHYL ACETATE | 201-911-8 | 89-48-5 | | 1-5% | N; R51/53; | Aquatic Acute 2 (H401) Skin Irrit. 3 (H316) Aquatic Chronic 2 (H411) Flam. Liq. 4 (H227) | No data available |
| MENTHOFURAN | 207-795-5 | 494-90-6 | | 1-5% | XN; R22, XI; R38, N; R51/53; | Aquatic Acute 2 (H401) Eye Irrit. 1 (H319) Skin Irrit. 2 (H316) Aquatic Chronic 2 (H411) Acute Tox. 4 (H302) | No data available |
| LIMONENE | 227-813-5 | 5989-27-5 | | 1-5% | R10, XI; R38, XI; R43, N; R50/53; | Aquatic Acute 1 (H400) Skin Sens. 1 (H317) Skin Irrit. 2 (H316) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226) | No data available |

For the full text of the R-phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES**4.1. Description of first aid measures****General advice**

If symptoms persist, call a physician

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Keep eye wide open while rinsing If symptoms persist, call a physician

Skin contact

Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

Inhalation Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Self-protection of the first aider Use personal protective equipment

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use Dry chemical Carbon dioxide CO₂ Water spray Alcohol-resistant foam

Extinguishing media which shall not be used for safety reasons

No information available

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

See Section 12 for additional Ecological Information

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

7.3 Specific end use(s)

Exposure scenario N/A

Other Guidelines N/A

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

| Chemical Name | European Union | The United Kingdom | France | Spain | Germany |
|-----------------------|----------------|--------------------|--------|-------|--|
| LIMONENE 5989-27-5 | | | | | MAK: 20 ppm MAK: 110 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³ |

| Chemical Name | Italy | Portugal | The Netherlands | Finland | Denmark |
|-----------------------|-------|----------|-----------------|--|---------|
| LIMONENE 5989-27-5 | | | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³ | |

| Chemical Name | Austria | Sweden - Occupational Exposure Limits - TLVs (LLVs) | Switzerland | Poland | Norway |
|-----------------------|---------|--|--|--------|--|
| LIMONENE 5989-27-5 | | | STEL: 40 ppm STEL: 220 mg/m ³ MAK: 20 ppm MAK: 110 mg/m ³ | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³ |

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas

Personal protective equipment

- Eye Protection** Tightly fitting safety goggles
- Hand Protection** Protective gloves
- Skin and body protection** Long sleeved clothing Chemical resistant apron Antistatic boots Impervious gloves
- Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

General Hygiene Considerations When using, do not eat, drink or smoke Provide regular cleaning of equipment, work area and clothing

Environmental Exposure Controls No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| Physical state Odor | liquid wintergreen | Appearance Color | clear light yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|-----------------------------------|-----------------------|---------------|----|--|--------------------------|------------------------|--|--------------------------|-----------------------------|--|------------|-------------|----------------|------------|------------------|--|------------|---------------------------|--|--------------------------|----------------------------|--|--------------------------|--------------------------|--|--|--------------------------|--|--|---------------------------|--|--------------------------|---------------|--|--------------------------|------------------|--|--------------------------|------------------------|-----------------|------------|------------------------|-----------------|------------|------------------|-----------------|------------|------------------|--|--------------------------|--|--|--------------------------|--------------------------|--|--------------------------|---------------------------|--|--------------------------|--------------------|--|--------------------------|----------------------|--------------------------|--|----------------------|--------------------------|--|--|
| <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Property</u></th> <th style="text-align: left;"><u>Values</u></th> <th style="text-align: left;"><u>Method</u></th> </tr> </thead> <tbody> <tr> <td>pH</td> <td></td> <td>No information available</td> </tr> <tr> <td>Melting/freezing point</td> <td></td> <td>No information available</td> </tr> <tr> <td>Boiling point/boiling range</td> <td></td> <td>FCC Method</td> </tr> <tr> <td>Flash Point</td> <td>92 °C / 197 °F</td> <td>Closed cup</td> </tr> <tr> <td>Evaporation rate</td> <td></td> <td>FCC Method</td> </tr> <tr> <td>Flammability (solid, gas)</td> <td></td> <td>No information available</td> </tr> <tr> <td>Flammability Limits in Air</td> <td></td> <td>No information available</td> </tr> <tr> <td> Upper flammability limit</td> <td></td> <td></td> </tr> <tr> <td> lower flammability limit</td> <td></td> <td></td> </tr> <tr> <td>Vapor pressure mm Hg 20°C</td> <td></td> <td>No information available</td> </tr> <tr> <td>Vapor density</td> <td></td> <td>No information available</td> </tr> <tr> <td>Relative density</td> <td></td> <td>No information available</td> </tr> <tr> <td>Specific Gravity @ 25C</td> <td>0.8949 - 0.9249</td> <td>FCC Method</td> </tr> <tr> <td>Specific Gravity @ 20C</td> <td>0.8979 - 0.9279</td> <td>FCC Method</td> </tr> <tr> <td>Refractive Index</td> <td>1.4525 - 1.4825</td> <td>FCC Method</td> </tr> <tr> <td>Water solubility</td> <td></td> <td>No information available</td> </tr> <tr> <td>Partition coefficient: n-octanol/water</td> <td></td> <td>No information available</td> </tr> <tr> <td>Autoignition temperature</td> <td></td> <td>No information available</td> </tr> <tr> <td>Decomposition temperature</td> <td></td> <td>No information available</td> </tr> <tr> <td>Viscosity, dynamic</td> <td></td> <td>No information available</td> </tr> <tr> <td>Explosive properties</td> <td>No information available</td> <td></td> </tr> <tr> <td>Oxidizing Properties</td> <td>No information available</td> <td></td> </tr> </tbody> </table> | | <u>Property</u> | <u>Values</u> | <u>Method</u> | pH | | No information available | Melting/freezing point | | No information available | Boiling point/boiling range | | FCC Method | Flash Point | 92 °C / 197 °F | Closed cup | Evaporation rate | | FCC Method | Flammability (solid, gas) | | No information available | Flammability Limits in Air | | No information available | Upper flammability limit | | | lower flammability limit | | | Vapor pressure mm Hg 20°C | | No information available | Vapor density | | No information available | Relative density | | No information available | Specific Gravity @ 25C | 0.8949 - 0.9249 | FCC Method | Specific Gravity @ 20C | 0.8979 - 0.9279 | FCC Method | Refractive Index | 1.4525 - 1.4825 | FCC Method | Water solubility | | No information available | Partition coefficient: n-octanol/water | | No information available | Autoignition temperature | | No information available | Decomposition temperature | | No information available | Viscosity, dynamic | | No information available | Explosive properties | No information available | | Oxidizing Properties | No information available | | |
| <u>Property</u> | <u>Values</u> | <u>Method</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pH | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Melting/freezing point | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boiling point/boiling range | | FCC Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flash Point | 92 °C / 197 °F | Closed cup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evaporation rate | | FCC Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flammability (solid, gas) | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flammability Limits in Air | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upper flammability limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| lower flammability limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vapor pressure mm Hg 20°C | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vapor density | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relative density | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific Gravity @ 25C | 0.8949 - 0.9249 | FCC Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific Gravity @ 20C | 0.8979 - 0.9279 | FCC Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refractive Index | 1.4525 - 1.4825 | FCC Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water solubility | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Partition coefficient: n-octanol/water | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Autoignition temperature | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Decomposition temperature | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Viscosity, dynamic | | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Explosive properties | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oxidizing Properties | No information available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

9.2. Other information

| | |
|------------------|--------------------------|
| VOC Content(%) | 1.29999995231628 |
| Molecular Weight | No information available |

10. STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

No materials to be especially mentioned

10.6. Hazardous decomposition products

None under normal use conditions

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal

14. TRANSPORT INFORMATION

DOT Not regulated

IMDG / IMO Not regulated

ICAO/IATA Not regulated

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

WGK Classification

International Inventories

All of the components in the product are on the following Inventory lists: No information available.

| | |
|---------------|---|
| TSCA | - |
| EINECS/ELINCS | - |
| DSL/NDSL | - |
| PICCS | - |
| ENCS | - |
| IECSC | - |
| AICS | - |
| KECL | - |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical safety assessment

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H401 - Toxic to aquatic life H319 - Causes serious eye irritation H316 - Causes mild skin irritation H411 - Toxic to aquatic life with long lasting effects H302 - Harmful if swallowed H400 - Very toxic to aquatic life H317 - May cause an allergic skin reaction H304 - May be fatal if swallowed and enters airways H410 - Very toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor H227 - Combustible liquid

| | |
|----------------------|-----------------|
| Revision Date | 30-Jul-2015 |
| Revision Note | Not applicable. |
| Revision# | 1 |

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

WARNING/DISCLAIMER:

Apex Flavors, Inc.'s products are sold exclusively for use in food and drink for human consumption. These products have not been tested, nor have they been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, and electronic cigarettes or similar devices (collectively "E-Cigarettes"). In supplying this product(s), Apex Flavors, Inc. instructs, and purchasing recipient confirms, that this product(s) will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof. Recipients of our products that use them outside of their intended use of food or drink do so at their own risk and without warranty, either expressed or implied, from Apex Flavors, Inc. or its suppliers. The user assumes all liability for loss, injury, damage, or expense resulting from such uses.

Disclaimer

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