



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

### 1.1. Product identifier

**Number** 062

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

**Product name** APRICOT TYPE, NATURAL FLAVOR BLEND  
**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

|                   |            |
|-------------------|------------|
| 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

H227 - Combustible liquid

#### **Precautionary Statements**

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 |
|------------------|-----------|----------|-----------------|----------|--|--|---------------------------|
| PROPYLENE GLYCOL | 200-338-0 | 57-55-6  |                 | 50-90%   | -  | No data available  | No data available         |
| ETHYL ACETATE    | Present   | 141-78-6 |                 | 1-5%     | F; R11<br>Xi; R36<br>R66<br>R67                                | Eye Irrit. 1 (H319) (EFFA)<br>Flam. Liq. 2 (H225) (EFFA)<br>Eye Irrit. 1 (H319) (EUH066)<br>Flam. Liq. 2 (H225)<br>STOT SE 3 (H336)<br>Eye Irrit. 2 (H319) | 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**

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.                |
| <b>Skin contact</b> | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water.  |
| <b>Inhalation</b>   | Move to fresh air.  |

**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 extinguishing measures that are appropriate to local circumstances and the surrounding environment

**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**

Ensure adequate ventilation.

See Section 12 for additional Ecological Information

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**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**

Ensure adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

**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   |
|-----------------------------|----------------|--|---|---|---|
| PROPYLENE GLYCOL<br>57-55-6 |                | STEL: 450 ppm STEL:<br>1422 mg/m <sup>3</sup> STEL: 30<br>mg/m <sup>3</sup><br>TWA: 150 ppm TWA:<br>474 mg/m <sup>3</sup> TWA: 10<br>mg/m <sup>3</sup> |   |   |   |
| ETHYL ACETATE<br>141-78-6   |                | STEL: 400 ppm<br>TWA: 200 ppm  | TWA: 400 ppm TWA:<br>1400 mg/m <sup>3</sup> | TWA: 400 ppm TWA:<br>1460 mg/m <sup>3</sup> | TWA: 400 ppm TWA:<br>1500 mg/m <sup>3</sup><br>Ceiling / Peak: 800<br>ppm Ceiling / Peak:<br>3000 mg/m <sup>3</sup> |

| Chemical Name             | Italy | Portugal     | The Netherlands | Finland  | Denmark                                    |
|---------------------------|-------|--------------|-----------------|--|--|
| ETHYL ACETATE<br>141-78-6 |       | TWA: 400 ppm |                 | TWA: 300 ppm TWA:<br>1100 mg/m <sup>3</sup><br>STEL: 500 ppm STEL:<br>1800 mg/m <sup>3</sup> | TWA: 150 ppm TWA:<br>540 mg/m <sup>3</sup> |

| Chemical Name | Austria | Sweden -<br>Occupational<br>Exposure Limits -<br>TLVs (LLVs) | Switzerland | Poland | Norway |
|---------------|---------|--|-------------|--------|--------|
|               |         |  |             |        |        |

|                             |  |  |  |   |  |
|-----------------------------|--|--|--|---|--|
| PROPYLENE GLYCOL<br>57-55-6 |  |  |  |   | TWA: 25 ppm TWA:<br>79 mg/m <sup>3</sup><br>STEL: 37.5 ppm<br>STEL: 118.5 mg/m <sup>3</sup>    |
| ETHYL ACETATE<br>141-78-6   | STEL 600 ppm STEL<br>2100 mg/m <sup>3</sup><br>TWA: 300 ppm TWA:<br>1050 mg/m <sup>3</sup> | 150 ppm NGV 500<br>mg/m <sup>3</sup> NGV | STEL: 800 ppm STEL:<br>2800 mg/m <sup>3</sup><br>TWA: 400 ppm TWA:<br>1400 mg/m <sup>3</sup> | STEL: 600 mg/m <sup>3</sup><br>TWA: 200 mg/m <sup>3</sup> | TWA: 150 ppm TWA:<br>550 mg/m <sup>3</sup><br>STEL: 187.5 ppm<br>STEL: 687.5 mg/m <sup>3</sup> |

| Component                              | Ireland   |
|--|---|
| PROPYLENE GLYCOL<br>57-55-6 ( 50-90% ) | TWA: 150 ppm TWA: 470 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> |
| ETHYL ACETATE<br>141-78-6 ( 1-5% )     | TWA: 200 ppm<br>STEL: 400 ppm                                     |

**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  
**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure Controls** No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                       |                           |                   |                 |
|-----------------------|---------------------------|-------------------|-----------------|
| <b>Physical state</b> | liquid                    | <b>Appearance</b> | clear           |
| <b>Odor</b>           | characteristic of apricot | <b>Color</b>      | Slightly yellow |

| <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                            | 93 °C / 200 °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                 | 1.0279 - 1.0579          | FCC Method               |
| Specific Gravity @ 20C                 | 1.0309 - 1.0609          | FCC Method               |
| Refractive Index                       | 1.4007 - 1.4307          | 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 |
| <br>                                   |                          |                          |
| <b>Explosive properties</b>            | No information available |                          |
| <b>Oxidizing Properties</b>            | No information available |                          |

### 9.2. Other information

|                  |                          |
|------------------|--------------------------|
| VOC Content(%)   | 71.7893836338735         |
| 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

## 11. TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects****Acute toxicity**

|                       |   |
|-----------------------|---|
| <b>Inhalation</b>     | There is no data available for this product                             |
| <b>Eye contact</b>    | There is no data available for this product                             |
| <b>Skin contact</b>   | There is no data available for this product                             |
| <b>Ingestion</b>      | There is no data available for this product                             |
| <b>Acute toxicity</b> | 25.354596% of the mixture consists of ingredient(s) of unknown toxicity |

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 1, 2005):

|               |                 |
|---------------|-----------------|
| <b>Oral</b>   | 16,407.00 mg/kg |
| <b>Dermal</b> | 19,828.00 mg/kg |

| Chemical Name    | Oral LD50           | Dermal LD50            | LC50 Inhalation |
|------------------|---------------------|------------------------|-----------------|
| PROPYLENE GLYCOL | 20000 mg/kg ( Rat ) | 20800 mg/kg ( Rabbit ) |                 |
| ETHYL ACETATE    | 5620 mg/kg ( Rat )  | 20 mL/kg ( Rabbit )    |                 |

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Skin corrosion/irritation</b> | No information available |
| <b>Eye damage/irritation</b>     | No information available |
| <b>Sensitization</b>             | No information available |
| <b>Germ Cell Mutagenicity</b>    | No information available |
| <b>Carcinogenicity</b>           | No information available |

**Specific target organ systemic toxicity (single exposure)** No information available

**Specific target organ systemic toxicity (repeated exposure)** No information available

**Target Organ Effects** Eyes Respiratory system Skin

**Aspiration hazard** No information available

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity**

**Ecotoxicity effects** Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

| Chemical Name    | Toxicity to algae                                     | Toxicity to fish   | Toxicity to daphnia and other aquatic invertebrates                           |
|------------------|---|--|---|
| PROPYLENE GLYCOL | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 | 10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static |

|               |  |  |   |
|---------------|--|--|---|
| ETHYL ACETATE | 3300: 48 h <i>Desmodemus subspicatus</i> mg/L EC50 | 220 - 250: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>484: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through<br>352 - 500: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static | 560: 48 h <i>Daphnia magna</i> mg/L EC50 Static |
|---------------|--|--|---|

**12.2. Persistence and degradability**

No information available

**12.3. Bioaccumulative potential**

No information available

| Chemical Name | log Pow |
|---------------|---------|
| ETHYL ACETATE | 0.6     |

**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**

|                             |   |
|-----------------------------|---|
| Chemical Name               | Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes |
| PROPYLENE GLYCOL<br>57-55-6 | Hazard Class 1  |
| ETHYL ACETATE<br>141-78-6   | Hazard Class 1  |

**International Inventories**

All of the components in the product are on the following Inventory lists: Europe (EINECS/ELINCS/NLP).

|               |          |
|---------------|----------|
| TSCA          | -        |
| EINECS/ELINCS | Complies |
| 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**

H319 - Causes serious eye irritation H225 - Highly flammable liquid and vapor H336 - May cause drowsiness or dizziness EUH066 - Repeated exposure may cause skin dryness or cracking

Revision Date 04-Jan-2016

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**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.