

## 0154 – Jalapeño Flavor, Artificial Safety Data Sheet

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Date of issue: 05/04/2015 Version: 1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : 0154 - Jalapeño Flavor, Natural WONF  
Product form : Mixture

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

Use of the substance/mixture : Food industry: component

#### 1.3. Details of the supplier of the safety data sheet

LorAnn Oils, Inc.  
4518 Aurelius Road  
Lansing, MI 48910  
Telephone: 1.800.862.8620

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1 703 527 3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Flam. Liq. 4 H227  
Skin Corr. 1B H314

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS05

Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: Combustible liquid  
Causes severe skin burns and eye damage

Precautionary statements (GHS-US)

: Keep away from heat source and sparks . No smoking near container.  
Do not breathe fumes or vapor.  
Wash both hands thoroughly after handling  
Wear eye protection and protective gloves.  
If swallowed: rinse mouth. Do NOT induce vomiting  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a poison center or doctor/physician  
Specific treatment (see Safety Data Sheet)  
Wash contaminated clothing before reuse  
In case of fire: Use ABC-powder to extinguish  
Store in a well-ventilated place. Keep cool  
Store locked up  
Dispose of contents/container to an approved waste disposal plant

## 2.3. Other hazards

No additional information available

## 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                                 | %           | Classification (GHS-US)   |
|--------------------------------------|-------------|---|
| Proprietary Flavor Ingredient - P310 | 3.3 - 3.98  | Flam. Liq. 3, H226<br>Skin Corr. 1B, H314<br>Aquatic Acute 3, H402  |
| Proprietary Flavor Ingredient - 157  | 3.3 - 3.97  | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318  |
| Proprietary Flavor Ingredient - P321 | 1.62 - 1.95 | Flam. Liq. 3, H226<br>Skin Corr. 1A, H314<br>Aquatic Acute 3, H402  |
| Proprietary Flavor Ingredient - 1403 | 0.12 - 0.15 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

\*The specific chemical identities of the ingredients in this mixture, as well as, exact concentrations of any hazardous ingredients stated above, are considered trade secrets. This information is withheld in accordance with the provisions of 1910.1200 of the Code of Federal Regulations.

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).   |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If excess exposure occurs, Immediately call a poison center or doctor/physician.                                 |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If excess exposure occurs, Immediately call a poison center or doctor/physician.                                 |
| 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 excess exposure occurs, Immediately call a poison center or doctor/physician. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. If excess exposure occurs, Immediately call a poison center or doctor/physician.   |

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

|                   |  |
|-------------------|--|
| Symptoms/injuries | : Causes severe skin burns and eye damage. |
|-------------------|--|

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Special hazards arising from the substance or mixture

|                  |   |
|------------------|---|
| Fire hazard      | : Combustible liquid.                             |
| Explosion hazard | : May form flammable/explosive vapor-air mixture. |

Reactivity : Corrosive vapors.

## 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat source and sparks . No smoking near container.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Do not breathe fumes or vapor.

Hygiene measures : Wash both hands thoroughly after handling. Wash contaminated clothing before reuse.

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

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| 0154 - Jalapeño Flavor, Natural WONF |                |
|--------------------------------------|----------------|
| ACGIH                                | Not applicable |
| OSHA                                 | Not applicable |
| Proprietary Flavor Ingredient - 157  |                |
| ACGIH                                | Not applicable |
| OSHA                                 | Not applicable |

| Proprietary Flavor Ingredient - 1403 |                |
|--------------------------------------|----------------|
| ACGIH                                | Not applicable |
| OSHA                                 | Not applicable |

| Proprietary Flavor Ingredient - P310 |                  |                      |
|--------------------------------------|------------------|----------------------|
| ACGIH                                | ACGIH TWA (ppm)  | 10 ppm               |
| ACGIH                                | ACGIH STEL (ppm) | 10 ppm               |
| ACGIH                                | Remark (ACGIH)   | Eye, skin, & URT irr |
| OSHA                                 | Not applicable   |                      |

| Proprietary Flavor Ingredient - P321 |                                     |                          |
|--------------------------------------|-------------------------------------|--------------------------|
| ACGIH                                | ACGIH TWA (ppm)                     | 10 ppm                   |
| ACGIH                                | ACGIH STEL (ppm)                    | 15 ppm                   |
| ACGIH                                | Remark (ACGIH)                      | URT & eye irr; pulm func |
| OSHA                                 | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 25 mg/m <sup>3</sup>     |
| OSHA                                 | OSHA PEL (TWA) (ppm)                | 10 ppm                   |

## 8.2. Exposure controls

|                               |   |
|-------------------------------|---|
| Personal protective equipment | : Avoid all unnecessary exposure.                               |
| Hand protection               | : Wear eye protection and protective gloves. protective gloves. |
| Eye protection                | : Chemical goggles or face shield.                              |
| Skin and body protection      | : Wear suitable protective clothing.                            |
| Respiratory protection        | : Wear appropriate mask.  |
| Other information             | : Do not eat, drink or smoke during use.                        |

## SECTION 9: Physical and chemical properties

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

|   |                                |
|---|--------------------------------|
| Physical state                              | : Liquid                       |
| Color                                       | : Refer to specification sheet |
| Odor  | : characteristic               |
| Odor threshold                              | : No data available            |
| pH  | : 5 (3 - 7)                    |
| Relative evaporation rate (butyl acetate=1) | : No data available            |
| Melting point                               | : No data available            |
| Freezing point                              | : No data available            |
| Boiling point                               | : No data available            |
| Flash point                                 | : 198 °F                       |
| Auto-ignition temperature                   | : No data available            |
| Decomposition temperature                   | : No data available            |
| Flammability (solid, gas)                   | : No data available            |
| Vapor pressure                              | : No data available            |
| Relative vapor density at 20 °C             | : No data available            |
| Relative density                            | : No data available            |
| Specific gravity / density                  | : 0.954                        |
| Solubility                                  | : Soluble in oil.<br>Water: NO |
| Log Pow                                     | : No data available            |

Log Kow : No data available

Viscosity, dynamic No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosive limits : No data available

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Corrosive vapors.

### 10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapor-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases. Thermal decomposition generates : Corrosive vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Proprietary Flavor Ingredient - 157

|               |                           |
|---------------|---------------------------|
| ATE US (oral) | 500.000 mg/kg body weight |
|---------------|---------------------------|

#### Proprietary Flavor Ingredient - P310

|               |                    |
|---------------|--------------------|
| LD50 oral rat | > 2000 mg/kg (Rat) |
|---------------|--------------------|

#### Proprietary Flavor Ingredient - P321

|                    |                       |
|--------------------|-----------------------|
| LD50 dermal rabbit | > 1000 mg/kg (Rabbit) |
|--------------------|-----------------------|

|                            |                    |
|----------------------------|--------------------|
| LC50 inhalation rat (mg/l) | > 10 mg/l/4h (Rat) |
|----------------------------|--------------------|

Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 5 (3 - 7)

Serious eye damage/irritation : Not classified  
pH: 5 (3 - 7)

Respiratory or skin sensitization : Not classified.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified  
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

| Proprietary Flavor Ingredient - P310      |  |
|---|--|
| LC50 fish 1                               | 10000 mg/l (96 h; Leuciscus idus)                          |
| LC50 other aquatic organisms 1            | 500 (100 - 1000) mg/l (96 h; Daphnia magna)                |
| LC50 fish 2                               | 72 mg/l (48 h; Cyprinus carpio)                            |
| LC50 other aquatic organisms 2            | 50 mg/l (48 h)   |
| TLM fish 1                                | 100 - 1000,96 h; Pisces                                    |
| TLM fish 2                                | 188 mg/l (24 h; Lepomis macrochirus)                       |
| TLM other aquatic organisms 1             | 50 mg/l (48 h; Daphnia magna)                              |
| Threshold limit other aquatic organisms 1 | 100 - 1000,96 h; Daphnia magna                             |
| Threshold limit other aquatic organisms 2 | 50 mg/l (48 h; Pseudomonas putida)                         |
| Threshold limit algae 1                   | 45.8 mg/l (72 h; Scenedesmus subspicatus)                  |
| Proprietary Flavor Ingredient - P321      |  |
| LC50 fish 1                               | 94 mg/l (96 h; Oryzias latipes; Pure substance)            |
| EC50 Daphnia 1                            | 47 mg/l (24 h; Daphnia magna; Pure substance)              |
| EC50 other aquatic organisms 1            | 5000 mg/l (5 h; Activated sludge; Pure substance)          |
| LC50 fish 2                               | 75 mg/l (96 h; Lepomis macrochirus; Pure substance)        |
| EC50 Daphnia 2                            | 32 mg/l (48 h; Artemia salina; Pure substance)             |
| TLM fish 1                                | 100 ppm (96 h; Carassius auratus; Pure substance)          |
| Threshold limit algae 1                   | 90 mg/l (192 h; Microcystis aeruginosa; Pure substance)    |
| Threshold limit algae 2                   | 4000 mg/l (192 h; Scenedesmus quadricauda; Pure substance) |

### 12.2. Persistence and degradability

| 0154 - Jalapeño Flavor, Natural WONF |  |
|--------------------------------------|--|
| Persistence and degradability        | Not established.   |
| Proprietary Flavor Ingredient - P310 |  |
| Persistence and degradability        | Readily biodegradable in water. Readily biodegradable in water in anaerobic conditions. Biodegradable in the soil. |
| Biochemical oxygen demand (BOD)      | 0.77 - 0.92 g O <sub>2</sub> /g substance  |
| Chemical oxygen demand (COD)         | 1.420 g O <sub>2</sub> /g substance  |
| ThOD                                 | 1.513 g O <sub>2</sub> /g substance  |
| BOD (% of ThOD)                      | > % ThOD (5 day(s)) > 0.5  |
| Proprietary Flavor Ingredient - P321 |  |
| Persistence and degradability        | Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the components available.  |
| Biochemical oxygen demand (BOD)      | 0.6 - 0.74 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)         | 1.03 g O <sub>2</sub> /g substance   |
| ThOD                                 | 1.07 g O <sub>2</sub> /g substance   |
| BOD (% of ThOD)                      | 0.56 - 0.69 % ThOD   |

### 12.3. Bioaccumulative potential

| 0154 - Jalapeño Flavor, Natural WONF |                                  |
|--------------------------------------|----------------------------------|
| Bioaccumulative potential            | Not established.                 |
| Proprietary Flavor Ingredient - P310 |                                  |
| BCF other aquatic organisms 1        | < 100                            |
| Log Pow                              | 0.25 - 0.33 (Experimental value) |

## Proprietary Flavor Ingredient - P310

|                           |  |
|---------------------------|--|
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
|---------------------------|--|

## Proprietary Flavor Ingredient - P321

|                           |                                  |
|---------------------------|----------------------------------|
| Log Pow                   | -0.31 (Experimental value)       |
| Bioaccumulative potential | Bioaccumulation: not applicable. |

### 12.4. Mobility in soil

## Proprietary Flavor Ingredient - P310

|                 |                   |
|-----------------|-------------------|
| Surface tension | 0.027 N/m (20 °C) |
|-----------------|-------------------|

### 12.5. Other adverse effects

Effect on ozone layer :  
Effect on the global warming : No known ecological damage caused by this product.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.  
Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Proprietary Flavor Ingredient - 157

|   |
|---|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |
|---|

#### Proprietary Flavor Ingredient - 167

|   |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
|---|

#### Proprietary Flavor Ingredient - P310

|   |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Not listed on the United States SARA Section 313                          |

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 5000 lb |
|--|---------|

## Proprietary Flavor Ingredient - P321

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not listed on the United States SARA Section 313

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 5000 lb |
|--|---------|

## 15.2. International regulations

### CANADA

No additional information available

### EU-Regulations

No additional information available

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

### 15.2.2. National regulations

## 15.3. US State regulations

### Proprietary Flavor Ingredient - P310

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Proprietary Flavor Ingredient - P321

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. None.



Full text of H-phrases:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4                                 |
| Aquatic Acute 3     | Hazardous to the aquatic environment - Acute Hazard Category 3   |
| Aquatic Chronic 2   | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Asp. Tox. 1         | Aspiration hazard Category 1                                     |
| Eye Dam. 1          | Serious eye damage/eye irritation Category 1                     |
| Flam. Liq. 3        | Flammable liquids Category 3                                     |
| Flam. Liq. 4        | Flammable liquids Category 4                                     |
| Skin Corr. 1A       | Skin corrosion/irritation Category 1A                            |
| Skin Corr. 1B       | Skin corrosion/irritation Category 1B                            |
| Skin Irrit. 2       | Skin corrosion/irritation Category 2                             |
| Skin Sens. 1        | Skin sensitization Category 1                                    |
| H226                | Flammable liquid and vapor                                       |
| H227                | Combustible liquid   |
| H302                | Harmful if swallowed   |
| H304                | May be fatal if swallowed and enters airways                     |
| H314                | Causes severe skin burns and eye damage                          |
| H315                | Causes skin irritation   |
| H317                | May cause an allergic skin reaction                              |
| H318                | Causes serious eye damage  |
| H402                | Harmful to aquatic life  |
| H411                | Toxic to aquatic life with long lasting effects                  |