



## FW-NGRE Natural Green Apple Flavor

Flavor West Manufacturing, LLC.

Version No: 2.3  
Safety Data Sheet according to OSHA HazCom Standard (2012)  
requirements

Chemwatch Hazard Alert Code: 2

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L.GHS.U.S.A.EN

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

#### Product Identifier

|                               |                                    |
|-------------------------------|------------------------------------|
| Product name                  | FW-NGRE Natural Green Apple Flavor |
| Synonyms                      | Not Available                      |
| Other means of identification | Not Available                      |

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

|                          |   |
|--------------------------|---|
| Relevant identified uses | Use according to manufacturer's directions. |
|--------------------------|---|

#### Details of the manufacturer/importer

|                         |   |
|-------------------------|---|
| Registered company name | Flavor West Manufacturing, LLC.                       |
| Address                 | 29400 Hunco Way, Lake Elsinore CA 92530 United States |
| Telephone               | (951) 893-5120  |
| Fax                     | (714) 276-1621  |
| Website                 | www.FlavorWest.com                                    |
| Email                   | Flavor@FlavorWest.com                                 |

#### Emergency telephone number

|                                   |           |
|-----------------------------------|-----------|
| Association / Organisation        | Chemwatch |
| Emergency telephone numbers       | see below |
| Other emergency telephone numbers | see below |


#### CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |
|----------------|----------------------|----------------------|
| 877 715 9305   | +612 9186 1132       | Not Available        |

Once connected and if the message is not in your preferred language then please dial 01

Una vez conectado y si el mensaje no está en su idioma preferido, por favor marque 02

**SECTION 2: Hazard(s) Identification**

| <u>Hazard</u>    | <u>Classification</u>  | <u>Signal word</u> | <u>Hazard Statement(s)</u> | <u>Symbol(s)</u>  | <u>Precautionary Statement(s)</u>        |
|------------------|--|--------------------|----------------------------|---|--|
| Flammable Liquid | 3  | Warning            | H226                       |  | P210, P235, P240, P241, P242, P243, P261 |
| Other hazards    | Warning: Contains volatile flavoring chemicals; breathing these chemicals in the workplace may lead to severe lung damage. |                    |                            |   |  |
| Acute toxicity   |  |                    |                            |   |  |

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

P235 Keep cool.

P240 Ground/bond container and receiving equipment.

P241 Use rated explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

**SECTION 3: Composition and Information on Ingredients**

|                                   |  |  |  |
|-----------------------------------|--|--|--|
| Chemical name                     | Not applicable.  |  |  |
| Common name                       | Not applicable.  |  |  |
| CAS number                        | Not applicable.  |  |  |
| Impurities & additives            |  |  |  |
| Ingredient statement for mixture* | <u>Ingredient</u><br>Apple Extractives<br>Sugar Syrup<br>Water | <u>CAS Number</u><br>Mixture<br>57-48-7<br>7732-18-5 | <u>% range (by weight)</u><br>50-60%<br>15-25%<br>10-20% |

|  |                            |                    |                |
|--|----------------------------|--------------------|----------------|
|  | Alcohol<br>Natural Flavors | 64-17-5<br>Mixture | 1-10%<br>1-10% |
|--|----------------------------|--------------------|----------------|

\* This flavor mixture is a trade secret. The holder of this proprietary information is Flavor West MFG, LLC.

| <b>SECTION 4: First-aid Measures</b>            |  |
|---|--|
| General   | As in all cases of potential poisoning, obtain medical advice immediately.   |
| Inhalation                                      | In the event of exposure to vapors, immediately remove from the area to a fresh air environment. Individuals showing evidence of inhalation exposure should be taken to an uncontaminated area. Obtain medical advice immediately. |
| Skin contact                                    | Remove contaminated clothing. Wash skin with large volumes of water. If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.  |
| Eye contact                                     | In the event of contact with the eyes, irrigate with water for at least 15 minutes. Obtain medical advice if irritation persists.  |
| Ingestion                                       | In the event of accidental ingestion, rinse mouth with water. Do not induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person. Obtain medical advice immediately.    |
| Acute Effects                                   | No information available on the product itself.  |
| Delayed Effects                                 | No information available on the product itself.  |
| Immediate medical attention & special treatment | None known.  |

| <b>SECTION 5: Fire-fighting Measures</b>   |  |
|--|--|
| In the event of fire, adequate extinguishers should be used. Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment. Cool fire exposed containers with water spray. |  |
| Suitable extinguishing media   | Foam, carbon dioxide or dry chemical.                              |
| Unsuitable extinguishing media   | Not available.   |
| Specific hazards arising from chemical   | Closed containers may build up pressure if exposed to heat (fire). |
| Special protective equipment and precautions for fire-fighters   | No special measures.   |

| <b>SECTION 6: Accidental Release Measures</b>                    |   |
|--|---|
| Personal precautions, protective equipment, emergency procedures | For non-emergency and emergency personnel:<br>Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (eg. electrical equipment). Avoid skin contamination and inhalation of vapor. Individual washing routines should be followed after any potential contact. Ensure adequate ventilation in working areas following accidental release. |
| Methods for material   | For containment:<br>Small spills can be wiped up with a cloth or paper. Standard absorbents can be used (saw dust, sand,  |

|                          |   |
|--------------------------|---|
| containment and clean up | vermiculite). Wear rubber gloves. Avoid contact with skin. If skin contact occurs, wash liberally with soap and water.<br><br>For clean up:<br>Spillages should be disposed of in accordance with Governmental Regulations. |
|--------------------------|---|

### SECTION 7: Handling and Storage

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Wear adequate protective gloves protection and eye/face protection. No smoking. Avoid sources of ignition. Avoid exposing to high temperature during processing. Do not ingest or apply to the skin as such. Good personal washing routines should be followed. Maintain adequate local and general ventilation where product is handled. |
| Cautions for safe storage     | It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re-use empty container.  |
| Incompatibilities             | None known.   |

### SECTION 8: Exposure Controls and Personal Protection

|                                  |   |
|----------------------------------|---|
| OSHA PEL                         |   |
| ACGIH TLV                        |   |
| Any other exposure limits        |   |
| Exposure controls                | Avoid exposing to high temperature during processing. Maintain adequate local and general ventilation where product is handled.   |
| Appropriate engineering controls | Maintain adequate local and general ventilation where product is handled and dispensed.   |
| Individual protection measures   | Respiratory protection: Breathing of the vapors or dust particles may be hazardous. In the absence of appropriate engineering controls such as spot ventilation, ventilated enclosures, etc., workers should be avail themselves of the appropriate NIOSH approved respiratory protection.<br>Hand protection: Adequate protective gloves should be worn.<br>Eye protection: Adequate safety glasses should be used.<br>Skin protection: Wear protective clothing, overall if necessary to limit the odor contamination of personal clothing. Individual washing routines should be followed after any potential contact. |

### SECTION 9: Physical and Chemical Properties

|   |  |
|---|--|
| Appearance                              | Amber Liquid   |
| Odor                                    | Characteristic strong odor according to the commercial description of the substance. |
| Odor threshold                          | Not available.   |
| pH                                      | Not available.   |
| Melting and freezing point              | Not available.   |
| Initial boiling point and boiling range | Not available.   |
| Flash point                             | 113°F (45°C)   |
| Evaporation rate                        | Not available.   |
| Flammability (solid/gas)                | Not available.   |

|   |                |
|---|----------------|
| Upper/lower flammability or exposure limits | Not available. |
| Vapor pressure                              | Not available. |
| Vapor density                               | Not available. |
| Relative density                            | 1.26           |
| Solubility(ies)                             | Water          |
| Partition coefficient: n-octanol/water      | Not available. |
| Auto-ignition temperature                   | Not available. |
| Decomposition temperature                   | Not available. |
| Viscosity                                   | Not available. |

#### **SECTION 10: Stability and Reactivity**

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No reaction known with water.  |
| Chemical stability                 | Presents no significant reactivity hazard. Normally stable even at elevated temperatures and pressures. Avoid temperatures above or near to the flash point. Not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is shock stable, and is not an oxygen donor. Does not form explosive mixtures with other organic materials. Will not undergo hazardous exothermic polymerization. |
| Possibility of hazardous reactions | Not known.   |
| Conditions to avoid                | Avoid temperatures above or at least 5°C below flash point for any flammable liquids. Do not heat closed containers. Avoid contact with oxidizing agents.  |
| Incompatible materials             | Avoid strong oxidizing agents.   |
| Hazardous decomposition products   | Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.   |

#### **SECTION 11: Toxicological Information**

|   |  |
|---|--|
| Likely exposure route(s)                          |  |
| Symptoms  |  |
| Delayed and immediate effects                     |  |
| Chronic effects from short and long term exposure |  |
| Numerical measures of toxicity                    |  |
| Hazardous   |  |

|               |  |
|---------------|--|
| chemical list |  |
|---------------|--|

**SECTION 12: Ecological Information**

|                               |  |
|-------------------------------|--|
| Ecotoxicity                   |  |
| Persistence and degradability |  |
| Bioaccumulative potential     |  |
| Mobility in soil              |  |
| Other adverse effects         |  |

**SECTION 13: Disposal Considerations**

|                          |  |
|--------------------------|--|
| Disposal recommendations | Place materials into sealed containers. The disposal method for rejected products or returned goods must ensure that it cannot be resold or reused. Do not allow product to reach sewage system. |
| Regulatory requirements  | Dispose of container in accordance with local, regional, national and international regulations.   |

**SECTION 14: Transport Information**

|                              |                            |                              |
|------------------------------|----------------------------|------------------------------|
| UNO                          | UN-No                      | 1197                         |
|                              | Proper Shipping Name       | EXTRACTS, FLAVOURING, LIQUID |
|                              | Transport Hazard Class(es) | 3                            |
|                              | Packing Group              | III                          |
| ADR/RID<br>(Land transport)  | UN-No                      | 1197                         |
|                              | Proper Shipping Name       | EXTRACTS, FLAVOURING, LIQUID |
|                              | Transport Hazard Class(es) | 3                            |
|                              | Packing Group              | Not Hazmat                   |
| IMDG-Code<br>(Sea transport) | UN-No                      | 1197                         |
|                              | Proper Shipping Name       | EXTRACTS, FLAVOURING, LIQUID |
|                              | Transport Hazard Class(es) | 3                            |
|                              | Packing Group              | III                          |
| ICAO-IATA<br>(Air transport) | UN-No                      | 1197                         |
|                              | Proper Shipping Name       | EXTRACTS, FLAVOURING, LIQUID |
|                              | Transport Hazard Class(es) | 3                            |
|                              | Packing Group              | III                          |
| Environmental hazards        |                            |                              |
| Transport in bulk            |                            |                              |
| Special precautions          |                            |                              |

**SECTION 15: Regulatory Information**

| Country |         | Regulations |          |
|---------|---------|-------------|----------|
| USA     | Federal | OSHA        |          |
|         |         | TSCA        |          |
|         |         | HMIS        |          |
|         |         | NFPA        | Health 2 |

|                            |       |                                 |   |
|----------------------------|-------|---------------------------------|---|
|                            |       | Flammability<br>Reactivity      | 2<br>0  |
|                            |       | SARA Title III                  | This mixture contains no toxic chemical or chemicals subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 29 CFR Part 1910.1200. |
|                            | State | California Proposition 65       | This mixture does not contain chemicals at concentrations that would require a Proposition 65 warning label.  |
| Canada                     |       | WHMIS                           |   |
|                            |       | TDG                             |   |
| Europe                     |       | DSCL                            |   |
|                            |       | ADR                             |   |
| Chemical safety assessment |       | No data available at this time. |   |

#### SECTION 16: Other Information

|                         |  |
|-------------------------|--|
| Disclaimer of liability | <i>The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed 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 or 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.</i> |
| Prepared by:            | Rylan Walker / Regulatory  |
| Date:                   | 07/27/2015   |

**End of Safety Data Sheet**