

# Product Specification



**Product Name:** DELTYL PRIME NF (ISOPROPYL PALMITATE)

**Vigon Code:** 500951

**CAS Number:** 142-91-6

**FEMA Number:** N/A

## Characteristic:

## Specification:

|                         |                                         |        |
|-------------------------|-----------------------------------------|--------|
| Acid Value              | 0.000                                   | 1.000  |
| Purity %                | 90.00                                   | 100.00 |
| Gas Chromatograph       | PASSES TEST                             |        |
| Iodine Value            | 0.00                                    | 1.00   |
| Odor                    | PRACTICALLY ODORLESS.                   |        |
| Refractive Index (@20c) | 1.4370                                  | 1.4400 |
| Residue On Ignition     | 0.000                                   | 0.100  |
| Residual Solvents       | PASSES TEST                             |        |
| Saponification Value    | 183.00                                  | 193.00 |
| Specific Gravity (@25c) | 0.8500                                  | 0.8550 |
| Color/appearance        | CLEAR, COLORLESS TO PALE YELLOW LIQUID. |        |

## Additional Product Information:

**Flash Point:** >200 °F

**Shelf Life:** 24 Months

**Storage Conditions:** Stable when stored in its original package, tightly sealed in a cool (46-90°F) and dry location out of direct heat and light.  
If product is congealed, heat gently, melt completely, and mix before use.

**Effective Date:** March 29, 2022

Printed Date: July 15, 2024

**Vigon International, LLC.**

127 Airport Road East Stroudsburg, PA 18301-9629 USA | Tel: +1 570-476-6300 | Fax: +1 570-476-1110 | Email: regulatory@vigon.com | Web: vigon.com



## SAFETY DATA SHEET

### 500951 DELTYL PRIME NF (ISOPROPYL PALMITATE)

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#### 1. IDENTIFICATION

**Product Description:** DELTYL PRIME NF (ISOPROPYL PALMITATE)

**CAS #** 142-91-6

**Other means of identification**

**Vigon Item #** 500951

**Recommended use** Solvent , Carrier or Diluent for flavor and/or fragrance agents.

**Recommended restrictions** For Manufacturing Use Only

Company

Vigon International, Inc.

127 Airport Road

E. Stroudsburg, PA 18301

For information call: 570-476-6300

Web Site: www.vigon.com

24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928);

1-800-535-5053 WITHIN THE U.S.A.

1-352-323-3500 OUTSIDE THE U.S.A.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** Vigon International, Inc.  
**Address** 127 Airport Road  
E. Stroudsburg, PA 18301  
United States

**Telephone** For information call: 570-476-6300

**Website** www.vigon.com

**E-mail** Not available.

**Emergency phone number** INFOTRAC (ACCT# 78928);  
1-800-535-5053 WITHIN THE U.S.A.  
1-352-323-3500 OUTSIDE THE U.S.A.

#### 2. HAZARD(S) IDENTIFICATION

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The substance does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.



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**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental information**

100% of the mixture consists of component(s) of unknown acute inhalation toxicity. 100% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

| Chemical name       | Common name and synonyms                                                                       | CAS number | %   |
|---------------------|------------------------------------------------------------------------------------------------|------------|-----|
| ISOPROPYL PALMITATE | propan-2-yl hexadecanoate<br>DELTYL<br>ISOPROPYLPALMITAT<br>hexadecanoic acid, isopropyl ester | 142-91-6   | 100 |

### 4. FIRST-AID MEASURES

|                                                                               |                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.                                        |
| <b>Skin contact</b>                                                           | Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.                                                                              |
| <b>Eye contact</b>                                                            | Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.                                                                      |
| <b>Ingestion</b>                                                              | Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.                                                                                                                                                                                              |
| <b>Indication of immediate medical attention and special treatment needed</b> | Not available.                                                                                                                                                                                                                                        |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.                                                                             |

### 5. FIRE-FIGHTING MEASURES

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water spray, fog, CO <sub>2</sub> , dry chemical, or alcohol resistant foam.                                                                                                                                                                                                                                                                                                        |
| <b>Unsuitable extinguishing media</b>                                | Do not use a solid water stream as it may scatter and spread fire.                                                                                                                                                                                                                                                                                                                  |
| <b>Specific hazards arising from the chemical</b>                    | Fire may produce irritating, corrosive and/or toxic gases.                                                                                                                                                                                                                                                                                                                          |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires. |



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|                                             |                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire fighting equipment/instructions</b> | In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control. |
| <b>Specific methods</b>                     | Use water spray to cool unopened containers.                                                                                                                                                                                                                                                                                                                                           |
| <b>General fire hazards</b>                 | Static charges generated by emptying package in or near flammable vapor may cause flash fire.                                                                                                                                                                                                                                                                                          |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.</p> <p>The product is immiscible with water and will spread on the water surface.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                                           | Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

#### 7. HANDLING AND STORAGE

|                                                                     |                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.                                                                                                                                                                             |

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                         |                                                                                                                                                            |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Occupational exposure limits</b>     | This substance has no PEL, TLV, or other recommended exposure limit.                                                                                       |
| <b>Biological limit values</b>          | No biological exposure limits noted for the ingredient(s).                                                                                                 |
| <b>Appropriate engineering controls</b> | Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded. |



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#### Individual protection measures, such as personal protective equipment

|                        |                                                                                                                        |
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| Eye/face protection    | Wear safety glasses with side shields (or goggles).                                                                    |
| Skin protection        |                                                                                                                        |
| Hand protection        | Chemical resistant gloves.                                                                                             |
| Other                  | Not available.                                                                                                         |
| Respiratory protection | Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided. |
| Thermal hazards        | Wear appropriate thermal protective clothing, when necessary.                                                          |

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Appearance                                   | Refer to Spec Sheet               |
| Physical state                               | Liquid.                           |
| Form                                         | Liquid.                           |
| Color                                        | Refer to Spec Sheet               |
| Odor                                         | Characteristic.                   |
| Odor threshold                               | Not available.                    |
| pH                                           | Not available.                    |
| Melting point/freezing point                 | 56.3 °F (13.5 °C)                 |
| Initial boiling point and boiling range      | 400 °F (204.44 °C)                |
| Flash point                                  | > 200.0 °F (> 93.3 °C) Closed Cup |
| Evaporation rate                             | Not available.                    |
| Flammability (solid, gas)                    | Not applicable.                   |
| Upper/lower flammability or explosive limits |                                   |
| Flammability limit - lower (%)               | Not available.                    |
| Flammability limit - upper (%)               | Not available.                    |
| Explosive limit - lower (%)                  | Not available.                    |
| Explosive limit - upper (%)                  | Not available.                    |
| Vapor pressure                               | 0.00008 mm Hg at 25 °C            |
| Vapor density                                | 10.3                              |
| Relative density                             | Not available.                    |
| Solubility(ies)                              |                                   |
| Solubility (water)                           | Insoluble                         |
| Partition coefficient (n-octanol/water)      | Not available.                    |
| Auto-ignition temperature                    | Not available.                    |

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|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Decomposition temperature     | Not available.                                   |
| Viscosity                     | Not available.                                   |
| Other information             |                                                  |
| Density                       | 0.84 g/cm <sup>3</sup> estimated at 38 °C        |
| Explosive properties          | Not explosive.                                   |
| Flammability class            | Combustible IIIB estimated                       |
| Heat of combustion (NFPA 30B) | 37.2 kJ/g                                        |
| Molecular formula             | C <sub>19</sub> -H <sub>38</sub> -O <sub>2</sub> |
| Molecular weight              | 298.51 g/mol                                     |
| Oxidizing properties          | Not oxidizing.                                   |
| Specific gravity              | 0.85 at 25 °C                                    |

#### 10. STABILITY AND REACTIVITY

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Reactivity                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability                 | Material is stable under normal conditions.                                                   |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use.                                   |
| Conditions to avoid                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| Incompatible materials             | Strong oxidizing agents.                                                                      |
| Hazardous decomposition products   | No hazardous decomposition products if stored and handled as indicated.                       |

#### 11. TOXICOLOGICAL INFORMATION

##### Information on likely routes of exposure

|              |                                                    |
|--------------|----------------------------------------------------|
| Inhalation   | No adverse effects due to inhalation are expected. |
| Skin contact | Causes mild skin irritation.                       |
| Eye contact  | Causes mild eye irritation.                        |
| Ingestion    | Expected to be a low ingestion hazard.             |

|                                                                              |                                                          |
|------------------------------------------------------------------------------|----------------------------------------------------------|
| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation. |
|------------------------------------------------------------------------------|----------------------------------------------------------|

##### Information on toxicological effects

|                |            |
|----------------|------------|
| Acute toxicity | Not known. |
|----------------|------------|

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

ISOPROPYL PALMITATE (CAS 142-91-6)

##### Acute

##### Dermal

LD50

Rabbit

> 5000 mg/kg



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| Product                                                            | Species                                                                                                          | Test Results |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------|
| <i>Oral</i><br>LD50                                                | Rat                                                                                                              | > 5000 mg/kg |
| Skin corrosion/irritation                                          | Prolonged skin contact may cause temporary irritation.                                                           |              |
| Serious eye damage/eye irritation                                  | Direct contact with eyes may cause temporary irritation.                                                         |              |
| Respiratory or skin sensitization                                  |                                                                                                                  |              |
| Respiratory sensitization                                          | Not a respiratory sensitizer.                                                                                    |              |
| Skin sensitization                                                 | This product is not expected to cause skin sensitization.                                                        |              |
| Germ cell mutagenicity                                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |              |
| Carcinogenicity                                                    |                                                                                                                  |              |
| IARC Monographs. Overall Evaluation of Carcinogenicity             |                                                                                                                  |              |
| Not listed.                                                        |                                                                                                                  |              |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)     |                                                                                                                  |              |
| Not regulated.                                                     |                                                                                                                  |              |
| US. National Toxicology Program (NTP) Report on Carcinogens        |                                                                                                                  |              |
| Not listed.                                                        |                                                                                                                  |              |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) |                                                                                                                  |              |
| Not available.                                                     |                                                                                                                  |              |
| Reproductive toxicity                                              | This product is not expected to cause reproductive or developmental effects.                                     |              |
| Specific target organ toxicity - single exposure                   | Not classified.                                                                                                  |              |
| Specific target organ toxicity - repeated exposure                 | Not classified.                                                                                                  |              |
| Aspiration hazard                                                  | Not an aspiration hazard.                                                                                        |              |

## 12. ECOLOGICAL INFORMATION

|                                      |                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>Persistence and degradability</b> | No data is available on the degradability of this substance.                                                                                                                                       |
| <b>Bioaccumulative potential</b>     | No data available.                                                                                                                                                                                 |
| <b>Mobility in soil</b>              | No data available.                                                                                                                                                                                 |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.            |

## 13. DISPOSAL CONSIDERATIONS

|                                   |                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>      | Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b> | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                              |



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|                                              |                                                                                                                                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous waste code</b>                  | Not established.                                                                                                                                                                                           |
| <b>Waste from residues / unused products</b> | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                                            |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

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#### 14. TRANSPORT INFORMATION

##### ADN

Not regulated as dangerous goods.

##### ADR

Not regulated as dangerous goods.

##### RID

Not regulated as dangerous goods.

##### DOT

##### BULK

Not regulated as dangerous goods.

##### DOT

##### NON-BULK

Not regulated as dangerous goods.

##### IATA

Not regulated as dangerous goods.

##### IMDG

Not regulated as dangerous goods.

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#### 15. REGULATORY INFORMATION

##### US federal regulations

###### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

###### SARA 304 Emergency release notification

Not regulated.

###### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

###### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

###### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

###### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical      No





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#### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

##### Safe Drinking Water Act (SDWA)

Not regulated.

#### US state regulations

##### California Proposition 65

##### California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

#### International Inventories

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Toxic Chemical Substances (TCS)                                 | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

|               |                                                    |
|---------------|----------------------------------------------------|
| Issue date    | 11-29-2015                                         |
| Revision date | 01-31-2018                                         |
| Version #     | 02                                                 |
| HMIS® ratings | Health: 1<br>Flammability: 1<br>Physical hazard: 0 |



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#### Disclaimer

Vigon International, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. Vigon International, Inc. has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.

#### Revision information

This document has undergone significant changes and should be reviewed in its entirety.

# Food Grade Certification

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**Product Name:** DELTYL PRIME NF (ISOPROPYL PALMITATE)

**Vigon Code:** 500951

**FEMA #:** N/A

Vigon International, LLC. certifies that the above ingredient is **not** food grade.

Vigon International, LCC. may terminate this certification at any time upon written notice in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: July 15, 2024



# Allergen/Sensitive Agents Identification Sheet

Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)

Vigon Code: 500951

\* A check mark (✓) indicates the Allergen/Sensitive Agent is present. If blank it means that there is no Allergen/Sensitive present.

| ALLERGEN/SENSITIVE AGENTS                                                                                                       | * |
|---------------------------------------------------------------------------------------------------------------------------------|---|
| <b>CORN &amp; CORN PRODUCTS</b><br>Includes modified starch, hydrolyzed protein, sweeteners, sugars, spice carriers             |   |
| <b>EGG &amp; EGG PRODUCTS</b><br>liquid and powders                                                                             |   |
| <b>FISH</b><br>Includes any and all species of fresh and salt water fish                                                        |   |
| <b>GARLIC</b><br>Dehydrated, powdered, granules, and flakes                                                                     |   |
| <b>GLUTEN</b><br>Wheat, rye, barley, oats, flour, etc.                                                                          |   |
| <b>MILK &amp; DAIRY PRODUCTS</b><br>Includes whey, lactose, cheese, casein, spice carriers, milk, cream, etc.                   |   |
| <b>MONOSODIUM GLUTAMATE</b>                                                                                                     |   |
| <b>PEANUTS, PEANUT OIL &amp; PEANUT DERIVED ITEMS</b><br>Peanut meal, flour & ground nuts, szechwan sauce, mandelona nuts, etc. |   |
| <b>SESAME SEEDS &amp; SESAME OIL</b>                                                                                            |   |
| <b>CRUSTACEANS</b><br>Shrimp, lobster, rock lobster, crab, crayfish, and products made from them                                |   |
| <b>MOLLUSKS</b><br>Clams, mussels, oysters, scallops, and products made from them                                               |   |
| <b>SOY</b><br>Includes soya powder, protein, oil, lecithin, tofu                                                                |   |
| <b>SULFITES</b><br>Includes sulfur dioxide, sodium dithionite, chemicals that lists sulfite, etc.                               |   |
| <b>TREE NUTS</b><br>Includes almonds, beechnuts, basil nuts, nutmeg, cashews, chestnuts, etc.                                   |   |
| <b>WHEAT</b><br>Includes hydrolyzed wheat protein, flour, gluten flour, starches                                                |   |
| <b>MUSTARD &amp; MUSTARD OIL</b>                                                                                                |   |
| <b>LUPIN</b>                                                                                                                    |   |
| <b>CELERY</b>                                                                                                                   |   |

Vigon International, LLC. follows Good Manufacturing Practices and has implemented HACCP systems. Our personnel are trained on the proper handling of allergenic materials.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# GMO Status Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

Vigon International, LLC. declares that the product listed above is not derived from or produced using genetically modified organisms or their derivatives.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# Ingredient Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

**CAS #: 142-91-6**

**100%**

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024





# Irradiation and Sewage Sludge Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

Vigon International, LLC. declares that the product listed above has **not** been:

- a) Exposed to Ionizing Radiation
- b) Derived from Sewage Sludge
- c) Treated with Ethyl Oxide

Vigon International, LLC. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024





# Heavy Metals and Pesticide Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

Vigon International, LLC. declares that, to the best of our knowledge and belief, all ingredients in the product listed above are listed as being generally recognized as safe (GRAS) by the Food and Drug administration (FDA) when used in accordance with the FDA's good manufacturing practices (GMP) and contain no residues of heavy metals and pesticides in excess of tolerances set by the FDA and the Environmental Protection Agency (EPA).

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# Stabilizer Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

Vigon International, LLC. declares that, to the best of our knowledge that the product listed above has not been treated with BHT, BHA, Tocopherols or any other stabilizer.

Vigon International, LLC. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



## Continuing Product Guarantee

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

In accordance with the regulations promulgated under the Federal Food, Drug, and Cosmetic Act, Vigon International, LLC. hereby provides continuing guarantee for the item listed above.

The article(s) comprising each shipment or other delivery hereafter made by Vigon International, LLC. is hereby guaranteed, as of the date of shipment or delivery, to be, on such date, not adulterated or misbranded within the meaning of the Federal Food, Drug, and Cosmetic Act, and not an article which may not, under the provisions of section 404, 505, or 512 of the act, be introduced into interstate commerce.

The guarantee herein given shall be a continuing guarantee and shall remain in full force and effect until revoked in writing by the undersigned. This guarantee shall not limit or preclude the operation and effect of any and all provisions of any agreement(s) under which the articles covered by this guarantee are sold, and the provisions of such agreement(s) shall govern in the event of any conflict or inconsistency herewith. Supplier's liability for breach of this guarantee shall in no event exceed the value of such of the articles of the supplier shipped to or on the order of Purchaser hereunder as may fail to comply with this guarantee.

This guarantee shall be void and of no effect in any instance where the particular use by Purchaser of any article to which this guarantee would otherwise apply is a use which is not in accordance with the requirements of the Federal Food, Drug and Cosmetic Act. Any and all prior guarantees and/or indemnity agreements heretofore given by supplier, are hereby revoked.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



## Dietary Preferences & Restrictions

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**Product Name:** DELTYL PRIME NF (ISOPROPYL PALMITATE)

**Vigon Code:** 500951

Vigon International, LLC. certifies that the product listed above is suitable for consumption by:

|                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------|--|
| <b>Vegans</b><br>Do not eat meat, poultry, fish/seafood, eggs, dairy products, honey                |  |
| <b>Lacto-Vegetarians</b><br>Do not eat meat, poultry, fish/seafood, eggs, but do eat dairy products |  |
| <b>Ovo-Vegetarians</b><br>Do not eat meat, poultry, fish/seafood, dairy products, but do eat eggs   |  |
| <b>Vegetarians</b><br>Do not eat meat, poultry, fish/seafood, but do eat dairy products and eggs    |  |

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# Animal Testing Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

Vigon International, LLC. is not in the practice of performing or commissioning animal testing on its finished products and actively evaluates the ingredients of its products through non-animal testing methods and through computational (predictive) toxicology programs.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# Nanomaterials

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

We hereby confirm, to the best of our knowledge, that the above referenced product has not been formulated with engineered nanomaterials.

"Engineered nanomaterial" means any intentionally produced material that has one or more dimensions of the order of 100 nm or less or that is composed of discrete functional parts, either internally or at the surface, many of which have one or more dimensions of the order of 100 nm or less, including structures, agglomerates or aggregates, which may have a size above the order of 100nm but retain properties that are characteristic of the nanoscale.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024

# Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE) Statement



**Product Name:** DELTYL PRIME NF (ISOPROPYL PALMITATE)

**Vigon Code:** 500951

Vigon International, LLC. products are manufactured wholly from synthetic, natural or manufactured materials and do not contain any raw materials produced from or substances derived of animal origin. Moreover, these products do not contain, and are not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals.

The manufacturing process does not use any ingredient of animal origin nor do our products come in contact with animal products during storage and transportation.

We further declare that our products are Dioxin Free.

Therefore, to the best of our knowledge the product listed above are free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE).

Vigon International, LLC. may terminate this statement at any time upon written notice, in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: July 15, 2024



# IFRA

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

- Is not restricted as such according to the Standards of the International Fragrance Association (IFRA) (up to and including the 51st amendment)
- Bears no IFRA specifications

The IFRA Standards regarding use restriction are based on safety assessments by the Panel of Experts of the Research Institute for Fragrance Materials (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product by further testing if need be.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024

# International Inventories

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**Product Name:** DELTYL PRIME NF (ISOPROPYL PALMITATE)

**Vigon Code:** 500951

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances and Control Act (TSCA) Inventory                      | Yes                    |

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024

# Residual Solvents

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

Based on our knowledge of our production process, raw materials and equipments used we do not expect residual solvents to be present.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# EU Fragrance Allergen Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

The product listed above is in compliance with the European Directive 76/768/EEC established by the SCCNFP declared allergens. This product is free of these fragrance allergens.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024



# Melamine Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

**Based on our knowledge of our production process, raw materials and equipment used we do not expect melamine to be present.**

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024

# Phthalate Statement

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**Product Name: DELTYL PRIME NF (ISOPROPYL PALMITATE)**

**Vigon Code: 500951**

**We've performed a risk assessment on our product contact plastics which include tubes, joints, caps, pumps, as well as packaging (e.g. plastic wraps and bags) and can confirm that our plastic products do not contain certain phthalate esters (most notably bis-2-Ethylhexyl phthalate[DEHP] and dibutyl phthalate [DBP]).**

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: July 15, 2024