Product Specification



Product Name: FLORHYDRAL®

Vigon Code: 501126

CAS Number: 125109-85-5 FEMA Number: N/A

<u>Characteristic:</u> <u>Specification:</u>

Acid Value 0.000 5.000 Purity % 98.00 100.00

Gas Chromatograph PASSES TEST

Odor POWERFUL, GREEN, FLORAL ODOR.

Refractive Index (@20c) 1.5030 1.5070
Specific Gravity (@25c) 0.9470 0.9520

Color/appearance COLORLESS TO PALE YELLOW LIQUID.

Additional Product Information:

Flash Point: 154 °F Shelf Life: 12 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.

Effective Date: November 15, 2023

Printed Date: July 29, 2024



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 1 of 11

Version # 01 Print Date: 11-29-2015

1. IDENTIFICATION

Product Description: FLORHYDRAL® 125109-85-5

Other means of identification

Vigon Item # 501126

Recommended use Concentrated aromatic ingredient which may be used fragrance compounds according to legal and

IFRA guidelines.

Recommended restrictions For Manufacturing Use Only

<u>Company</u> <u>24 Hour Emergency Response Information</u>

Vigon International, Inc. INFOTRAC (ACCT# 78928);

For information call: 570-476-6300

Web Site: www.vigon.com

2. HAZARD(S) IDENTIFICATION

Physical hazardsFlammable liquidsCategory 4

Health hazardsAcute toxicity, oralCategory 5Acute toxicity, dermalCategory 5

Environmental hazards Hazardous to the aquatic environment, Category 2

acute hazard

Hazardous to the aquatic environment, Category 2

long-term hazard

Label elements



Signal word Warning

Hazard statement

H227 Combustible liquid.

H303 + H313 May be harmful if swallowed or in contact with skin.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

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

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

Response

P312 Call a POISON CENTER/doctor if you feel unwell.



501126 FLORHYDRAL®

Page 2 of 11 Revision Date: 08-01-2015

Version # 01 Print Date: 11-29-2015

> P370 + P378 In case of fire: Use appropriate media to extinguish.

P391 Collect spillage.

Storage

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

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

After prolonged contact with highly porous materials, this product may spontaneously combust.

Supplemental information None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Chemical name	Common name and synonyms	CAS number	%
ISOPROPYLPHENYLBUTANAL	3-(3- propan-2-ylphenyl)butanal	125109-85-5	100
	BENZENEPROPANAL,BETA-METHYL-3-(1-		
	METHYLETHYL)		
	BETA-METHYL-3-(1-METHYLETHYL)-BEN		
	ZENEPROPANAL		

4. FIRST-AID MEASURES

Inhalation 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.

Skin contact Take off immediately all contaminated clothing. Get medical attention if irritation develops and

persists. Wash skin thoroughly with soap and water for several minutes.

Eye contact 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.

Ingestion 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.

Most important

symptoms/effects, acute and

delayed

Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment

Not available.

needed

General information

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

Suitable extinguishing media Water spray, fog, CO2, dry chemical, or alcohol resistant foam. Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from

the chemical

Fire may produce irritating, corrosive and/or toxic gases. Porous material such as rags, paper,

insulation, or organic clay may spontaneously combust when wetted with this material.



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 3 of 11

Version # 01 Print Date: 11-29-2015

Special protective equipment and precautions for firefighters

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.

Fire fighting equipment/instructions

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.

Specific methods

Use water spray to cool unopened containers.

General fire hazards

Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.

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.

The product is immiscible with water and will spread on the water surface.

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. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Contaminated rags and cloths must be put in fireproof containers for disposal. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 4 of 11

Print Date: 11-29-2015 Version # 01

Conditions for safe storage, including any incompatibilities Do not store in direct sunlight. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Keep under a

nitrogen blanket.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No exposure limits noted for ingredient(s). Occupational exposure limits

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits.

Individual protection measures, such as personal protective equipment

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 When using do not smoke. Keep away from food and drink. 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. Not available. Melting point/freezing point Not available.

Initial boiling point and boiling

483.8 - 485.6 °F (251 - 252 °C)

range

154.0 °F (67.8 °C) Closed Cup Flash point

Evaporation rate Not available. Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower Not available.

(%)

Flammability limit - upper Not available.

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available.



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 5 of 11

Version # 01 Print Date: 11-29-2015

Vapor pressure 0.02 mm Hg at 25 °C

Vapor density 6.6

Relative density Not available.

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

Other information

Flammability class Combustible IIIA estimated

Molecular formulaC13H18OMolecular weight190.29 g/molSpecific gravity0.95 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

Conditions to avoid

reactions

No dangerous reaction known under conditions of normal use.

Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when

wetted with this material.

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 May be harmful in contact with skin. Causes mild skin irritation.

Eye contact Causes mild eye irritation.

Ingestion May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity May be harmful if swallowed. May be harmful in contact with skin.



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 6 of 11

Version # 01 Print Date: 11-29-2015

Product Species Test Results

ISOPROPYLPHENYLBUTANAL (CAS 125109-85-5)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg Method: OECD Test

Guideline 402

Oral

LD50 Rat > 2000 mg/kg Method: OECD Test

Guideline 401

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Skin irritation : Species: rabbit

Very slightly irritating

Method: OECD Test Guideline 404

Serious eye damage/eye

irritation

Eye irritation : Species: rabbit No eve irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization Sensitization : HRIPT Human

Result: Not sensitizing at 5 % in Dimethyl phthalate Maximization Test guinea pig Result: Not sensitizing

Method: OECD Test Guideline 406 Skin sensitization guinea pig Result: Not sensitizing

Method: OECD Test Guideline 406

Phototoxicity : Phototoxicity guinea pig

Result:negative

Germ cell mutagenicity Genotoxicity in vitro: Ames test

negative

Method: Mutagenicity (Escherichia coli - reverse mutation assay)

Chromosome aberration test in vitro

negative

Method: Mutagenicity (in vitro mammalian cytogenetic test)

Ames test negative

Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)

Genotoxicity in vivo: Micronucleus test Species: mouse

negative



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 7 of 11

Version # 01 Print Date: 11-29-2015

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

city -

Species: rat, male and female

repeated exposure

NOAEL: 60 mg/kg

Repeated dose (28 days) toxicity (oral)

Aspiration hazard Not available.

12. ECOLOGICAL INFORMATION

EcotoxicityToxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Product	Species	Test Results

ISOPROPYLPHENYLBUTANAL (CAS 125109-85-5)

Αqι	Jatic
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Algae	ErC50	Green algae (Desmodesmus subspicatus)	11 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	7.7 mg/l, 48 hours
Fish	LC50	Salmo gairdneri (new name	1.082 mg/l, 96 hours

Oncorhynchus mykiss)

Persistence and degradability Biodegradability : Result: Readily biodegradable.

74 %

Method: OECD Test Guideline 301 F Result: Inherently biodegradable.

100 %

Method: OECD Test Guideline 302 C

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects 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

Disposal instructions 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.

Local disposal regulationsDispose in accordance with all applicable regulations.

Hazardous waste code Not established.

Waste from residues / unused

products

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).

^{*} Estimates for product may be based on additional component data not shown.



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 8 of 11

Version # 01 Print Date: 11-29-2015

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

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

14. TRANSPORT INFORMATION

ADN

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(ISOPROPYLPHENYLBUTANAL)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

ADR

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(ISOPROPYLPHENYLBUTANAL)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

RID

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(ISOPROPYLPHENYLBUTANAL)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

DOT

BULK

UN number NA1993

Proper shipping name COMBUSTIBLE LIQUID, N.O.S. (ISOPROPYLPHENYLBUTANAL)

Hazard class Combustible liq

Packing group III

Environmental hazards

Marine pollutantYesPackaging exceptions150Packaging bulk242Labels required3

DOT

NON-BULK

Not regulated as dangerous goods.



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 9 of 11

Version # 01 Print Date: 11-29-2015

IATA

Not regulated as dangerous goods.

IMDG

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(ISOPROPYLPHENYLBUTANAL)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III

Environmental hazards

Marine pollutant Yes
Labels required 9

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.





DOT BULK



Marine pollutant





501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 10 of 11

Version # 01 Print Date: 11-29-2015

15. REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

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

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

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

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

ı**s** Yes

chemical

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 Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65



501126 FLORHYDRAL®

Revision Date: 08-01-2015 Page 11 of 11

Print Date: 11-29-2015 Version # 01

US - 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)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
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)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
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 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)

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

11-29-2015 Issue date 08-01-2015 Revision date

Version# 01

HMIS® ratings Health: 1

> Flammability: 2 Physical hazard: 0

Disclaimer

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, 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.

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).

Food Grade Certification



Product Name: FLORHYDRAL®

Vigon Code: 501126

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,

• azelis

Allergen/Sensitive Agents Identification Sheet

Product Name: FLORHYDRAL®

Vigon Code: 501126

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

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

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

Sincerely,

GMO Status Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

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

Sincerely,

Ingredient Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

CAS #: 125109-85-5 3-(3-propan-2-ylphenyl)butanal 100%

Sincerely,

Nutritional Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

Vigon International, LLC. certifies that, to the best of our knowledge, the product listed above does not contribute to the nutritional value of flavors due to their extremely low usage levels and therefore falls under the nutritional labeling exemption defined in Section 101.9(a) and (j) of Title 21 of the Code of Federal Regulations.

Sincerely,

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Irradiation and Sewage Sludge Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

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,

Heavy Metals and Pesticide Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

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,

Stabilizer Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

Vigon International, LLC. declares that, to the best of our knowledge that the product listed above has been treated with:

Stabilizer(s) Percentage
TOCOPHEROLS 0.0500

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,

Continuing Product Guarantee



Product Name: FLORHYDRAL®

Vigon Code: 501126

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,

Dietary Preferences & Restrictions



Product Name: FLORHYDRAL®

Vigon Code: 501126

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

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

Sincerely,

Animal Testing Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

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,

Proposition 65 Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

Vigon International, LLC. certifies that the product above is <u>not listed</u> on the California's Safe Drinking Water and Toxic Enforcement Act of 1986, also known as Proposition 65.

Sincerely,

Nanomaterials



Product Name: FLORHYDRAL®

Vigon Code: 501126

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 producted 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,

Transmissible Spongiform Encephalopathy (TSE) and Bovine • azelis Spongiform Encephalopathy (BSE) Statement





Product Name: FLORHYDRAL®

Vigon Code: 501126

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,

IFRA



Product Name: FLORHYDRAL®

Vigon Code: 501126

• 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,

International Inventories



Yes

Product Name: FLORHYDRAL®

Vigon Code: 501126

Country(s) or region Inventory name On inventory (yes/no)*

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
China	Inventory of Existing Chemical Substances in Chine (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
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

Sincerely,

Residual Solvents



Product Name: FLORHYDRAL®

Vigon Code: 501126

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

Sincerely,

EU Fragrance Allergen Statement



Product Name: FLORHYDRAL®

Vigon Code: 501126

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 International, LLC. 127 Airport Road East Stroudsburg, PA 18301-9629 USA +1.570.476.6300 | sales@vigon.com

Country of Origin: SWITZERLAND

ISOPROPYLPHENYLBUTANAL Chemical Name:

CAS#: 125109-85-5

154°F (68°C) Flash Point:

NONE Allergens:

0.000 Liters:

FLORHYDRAL®

ID#: EXAMPLE Code: 501126

> LB KG

0.000 | Produced on: N/A Approx. Gross: 0.000

0.000 | Best used before: N/A Approx. Tare: 0.000

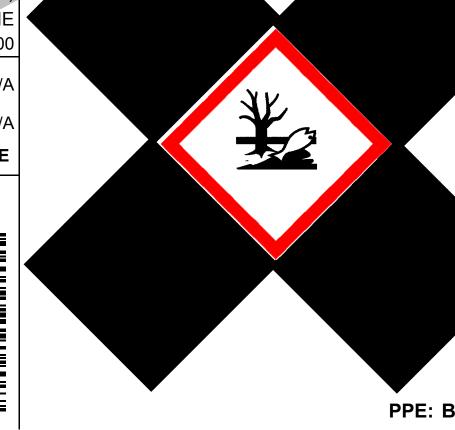
Net: 0.000 Lot #: 0.000

EXAMPLE

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.

INSTRUCTIONS FOR USE: Ask your employer for guidance regarding the safe use and handling of this product in your specific workplace environment based on the information provided in Vigon's Safety Data Sheet (SDS).

HAZARD STATEMENT: Combustible liquid. May be harmful if swallowed or in contact with skin. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. PRECAUTIONAR Y STATEMENT: -PREVENTION- Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid release to the environment. Wear protective gloves/eye protection/face protection.-RESPONSE- Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish. Collect spillage.-STORAGE- Store in a well-ventilated place. Keep cool.-DISPOSAL-Dispose contents/container with accordance local/regional/national/international regulations.



Warning