Product Specification



Product Name: EXALTOLIDE®

Vigon Code: 502774

CAS Number: 106-02-5

FEMA Number: 2840

Characteristic:

Acid Value Purity % Gas Chromatograph Odor Color/appearance Specification:

0.000 1.000 98.00 100.00 PASSES TEST MUSK ODOR. WHITE SOLID.

Additional Product Information:

Flash Point: >200 °F

Shelf Life: 18 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: October 24, 2016

Printed Date: January 14, 2022



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1. IDENTIFICATION			
Product Description:	EXALTOLIDE®		
CAS#	106-02-5		
FEMA Number	2840		
Other means of identification			
Vigon Item #	502774		
Recommended use		Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines.	
Recommended restrictions	For Manufacturing Use Onl	For Manufacturing Use Only	
<u>Company</u>		24 Hour Emergency Response Information	
Vigon International, Inc.		INFOTRAC (ACCT# 78928);	
127 Airport Road		1-800-535-5053 WITHIN THE U.S.A.	
E. Stroudsburg, PA 18301		1-352-323-3500 OUTSIDE THE U.S.A.	
For information call: 570-476-6	300		
Web Site: www.vigon.com			
Manufacturer/Importer/Supplie	r/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.	

Physical hazardsNot classified.Health hazardsSkin corrosion/irritationCategory 3Sensitization, skinCategory 1Environmental hazardsHazardous to the aquatic environment, acute hazardCategory 1Hazardous to the aquatic environment, long-term hazardCategory 1

Label elements





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Signal word	Warning
Hazard statement	Causes mild skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Chemical name	Common name and synonyms	CAS number	%
16- oxacyclohexadecan-1-one	PENTADECALACTONE Oxacyclohexadecan-2-one Pentadecan-15-olide OMEGA-PENTADECALACTONE	106-02-5	100

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	Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Not available.
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.



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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.	
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. 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. 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. Absorb in vermiculite, dry sand or earth and place into containers.
	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	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

Precautions for safe handling	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.
Conditions for safe storage, including any incompatibilities	Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	This substance has no PEL, TLV, or other recommended exposure limit.
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. Adequate ventilation should be provided so that exposure limits are not exceeded.
Individual protection measures, su	ch as personal protective equipment
Eye/face protection	Wear safety glasses with side shields (or goggles). Face shield is recommended.
Skin protection Hand protection	Chemical resistant gloves.
Other	Use of an impervious apron is recommended.
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. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Refer to Spec Sheet
Physical state	Solid.
Form	Solid.
Color	Refer to Spec Sheet
Odor	Characteristic.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	93.2 - 100.4 °F (34 - 38 °C)
Initial boiling point and boiling range	278.6 °F (137 °C) at 2 mmHg
Flash point	> 200.0 °F (> 93.3 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explose	sive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	1 mm Hg at 20 °C



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Vapor density8.3Relative densityNot available.Solubility(ies)InsolubleSolubility (water)InsolublePartition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information990.00 kg/m³ at 22 °CExplosive propertiesNot explosive.		
Solubility(ies) Solubility (water)InsolublePartition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information Density990.00 kg/m³ at 22 °C	Vapor density	8.3
Solubility (water)InsolublePartition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information Density990.00 kg/m³ at 22 °C	Relative density	Not available.
Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information Density990.00 kg/m³ at 22 °C	Solubility(ies)	
(n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information Density990.00 kg/m³ at 22 °C	Solubility (water)	Insoluble
Decomposition temperature Not available. Viscosity Not available. Other information 990.00 kg/m³ at 22 °C		Not available.
Viscosity Not available. Other information 990.00 kg/m³ at 22 °C	Auto-ignition temperature	Not available.
Other informationDensity990.00 kg/m³ at 22 °C	Decomposition temperature	Not available.
Density 990.00 kg/m ³ at 22 °C	Viscosity	Not available.
	Other information	
Explosive properties Not explosive.	Density	990.00 kg/m³ at 22 °C
	Explosive properties	Not explosive.
Flammability class Combustible IIIB estimated	Flammability class	Combustible IIIB estimated
Molecular formula C15H28O2	Molecular formula	C15H28O2
Molecular weight 240.39 g/mol	Molecular weight	240.39 g/mol
Oxidizing properties Not oxidizing.	Oxidizing properties	Not oxidizing.

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. May cause an allergic skin reaction.	
Eye contact	Direct contact with eyes may cause temporary irritation. Causes mild eye irritation.	
Ingestion	Expected to be a low ingestion hazard.	
Symptoms related to the physical, chemical and toxicological characteristics	Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. Not available.	
Information on toxicological effects		
Acute toxicity		



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Product	Species	Test Results
16- oxacyclohexadecan-1-one (C	AS 106-02-5)	
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Causes mild skin irritation. Irritation (dermal, rabbit)(LD50 s Irritation (dermal, mouse)(photo: Irritation (dermal, pig)(phototoxic Irritation (dermal)(Human max.): Irritation (dermal, human)(single	kicity study): Non irritant @ 100% ity study): Non irritant @ 100% Non irritant @ 4%
Serious eye damage/eye irritation	Direct contact with eyes may ca Irritation (ocular, rabbit) (OECD	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin react Sensitization (HRIPT): Non sens Sensitization (Human max.): No	itizing @ 2%
	Photo-toxicity (rabbit): Effects@ Photo-toxicity (guinea pig): Effect Photo-toxicity (guinea pig): No effect Photo-toxicity (mouse): No effects @	ts @ 50%, no effects @ 10% ffects @ 20% ts @ 100%
Germ cell mutagenicity	Mutagenicity (OECD 471): Non Genotoxicity (micronucleus test)	
Carcinogenicity		
IARC Monographs. Overall E Not listed.		
	d Substances (29 CFR 1910.1001-1	052)
Not regulated. US. National Toxicology Pro	gram (NTP) Report on Carcinogens	
Not listed.	g ()	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
Not available.		
Reproductive toxicity	This product is not expected to a	ause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
	Not an aspiration hazard.	



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12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects.		
Product		Species	Test Results
16- oxacyclohexadecan-1-o	one (CAS 106	-02-5)	
Aquatic			
Crustacea	EC50	Daphnia magna	> 1.27 mg/l, 48 hours
Fish	LC50	Fish	> 0.11 mg/l, 96 hours
Persistence and degradability	Readily biodegradability (OECD 301 F): readily biodegradable Readily biodegradability (OECD 301 D): readily biodegradable Readily biodegradability (OECD 301 B): readily biodegradable		
Bioaccumulative potential	No data available.		
Mobility in soil	No data a	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 regulations	Dispose 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).
Contaminated packaging	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.

14. TRANSPORT INFORMATION

ADN

UN number UN proper shipping name	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (16- oxacyclohexadecan-1-one)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	9
ADR	
UN number	3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (16- oxacyclohexadecan-1-one)
Transport hazard class(es)	9



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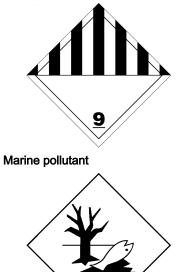
	• • • • • • • • •	
	Subsidiary class(es)	-
	Packing group	
	Environmental hazards	Yes
	Labels required	9
RID		
	UN number	3077
	UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (16-
		oxacyclohexadecan-1-one)
	Transport hazard class(es)	9
	Subsidiary class(es)	-
	Packing Group	
	Environmental Hazards	Yes
	Labels required	9
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
DO.		
BUL	_K	
	UN number	3077
	Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (16-
		oxacyclohexadecan-1-one)
	Hazard class	9
	Packing group	III
	Environmental hazards	
	Marine pollutant	Yes
	Packaging exceptions	155
	Packaging bulk	240
	Labels required	9
DO.	Г	
NO	N-BULK	
	Not regulated as dangerous go	pods.
IAT	A.	
	Not regulated as dangerous go	oods.
IMC		
	UN number	3077
	UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (16-
		oxacyclohexadecan-1-one)
	Transport hazard class(es)	9
	Subsidiary class(es)	-
	Packing group	III
	Environmental hazards	
	Marine pollutant	Yes
	Labels required	9
	Transport in bulk according	Not applicable.
	to Annex II of MARPOL	
	73/78 and the IBC Code	



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ADN; ADR; DOT BULK; IMDG; RID



15. REGULATORY INFORMATION

15. REGULATORY INFORM	MATION	
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
CERCLA Hazardous Substan	ce List (40 CFR 302.4)	
Not listed.		
SARA 304 Emergency release	e notification	
Not regulated.		
US. OSHA Specifically Regula	ated 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 Reau SARA 302 Extremely hazardo Not listed.		
SARA 311/312 Hazardous chemical	Yes	
Classified hazard	Acute toxicity (any route of exposure)	
categories	Respiratory or skin sensitization	
SARA 313 (TRI reporting) Not regulated.		



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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

California Proposition 65

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

Not listed.

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

Issue date	05-31-2013
Revision date	10-22-2018
Version #	03
HMIS® ratings	Health: 2 Flammability: 1 Physical hazard: 1
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 to assess its' safety in the final application. The above information relates only to this product to assess its' asfety in the final application. The above information 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.



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Revision information	Product and Company Identification: Alternate Trade Names
	IDENTIFICATION: Recommended restrictions
	HAZARD(S) IDENTIFICATION: Hazard statement
	HAZARD(S) IDENTIFICATION: Response
	COMPOSITION/INFORMATION ON INGREDIENTS: Component information
	Physical & Chemical Properties: Multiple Properties
	Toxicological Information: Toxicological Data
	TOXICOLOGICAL INFORMATION: Carcinogenicity
	Ecological Information: Ecotoxicity
	REGULATORY INFORMATION: California Proposition 65
	OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION: Reference
	s OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION:
	Disclaimer





Rabbi Avram Ossey Rabbinic Administrator To verify or for the most up to date certificate please go to www.koshercertificate.com 201 The Plaza, Teaneck, NJ 07666 | Phone 201.837.0500 | fax 201.837.0126



Disclaimer: This certificate is the private property of KOF-K Kosher Supervision and cannot be reposted without the express permission of KOF-K Kosher Supervision. Page 1 of 1



This is to certify that the following product(s) have been produced under the supervision of the Islamic Food and Nutrition Council of America(IFANCA). The production facility as well as component ingredients have been reviewed and approved. The product(s) are in compliance with the halal requirements under

Islamic laws.

Date: October 28, 2021 Document #: 6718.12506.II218082

Company Name & Address:	Vigon International, L	LC 127 Airport Road East Stroudsburg, Pe	nnsylvania 18301 USA	
Plant Name & Address:	Vigon International, L	LC 127 Airport Road East Stroudsburg, Pe	nnsylvania 18301 USA	
ProductName		Product Code	Halal-ID	Product Certificate #
1. EXALTOLIDE®		502774	A65880	HC-21VIU953
Mahammad Munir Chaulm Muhammad Munir Chaudry, Ph.D. President	NUTRITION COLUMN AND AND AND AND AND AND AND AND AND AN	This Certificate is valid until January 3	1, 2023 and subject to renewal at tha	t time.
WWW.IFANCA.ORG ·	IFANCA Head Office •	777 Busse Highway · Park Ridge, Illinois	60068 USA • Tel: (847) 993-0034 •	Fax (847) 993-0038 D160135404ICP1E



Vigon Code: 502774

FEMA #: 2840

Vigon International, LLC. certifies that the above flavor or ingredient is Food Grade in accordance with at least one of the following recognized organizations:

FDA/FEMA GRAS	(Flavor and Extract Manufacturers Assoc. Generally Recognized as Safe)
JECFA	(Joint FAO/WHO Expert Committee on Food Additives)
CoE	(Council of Europe)
FLAVIS	(Assigned by EFSA – European Food Safety Authority)

As a US based company, we have included the FEMA Number on this certificate however, the remaining numbers can be provided upon request. We hereby certify that this flavor or ingredient is safe for its intended use in food.

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

Sincerely,

Allergen/Sensitive Agents Identification Sheet



Product Name: EXALTOLIDE®

Vigon Code: 502774

* 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,

Vigon Regulatory Department regulatory@vigon.com Date of Issue: January 14, 2022

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



Vigon Code: 502774

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

VIGON PASSION FOR SIMPLICITY

Product Name: EXALTOLIDE®

Vigon Code: 502774

CAS #: 106-02-5 16-oxacyclohexadecan-1-one

100%

Sincerely,



Vigon Code: 502774

Vigon International, LLC. declares that the product listed above has <u>not</u> 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 Code: 502774

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 Code: 502774

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 Code: 502774

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 Code: 502774

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,



Vigon Code: 502774

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. However, some ingredients used in our products have been subjected to animal testing by the academic community, government agencies, or within the chemical industry.

Sincerely,



Vigon Code: 502774

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,

EU Declaration



Vigon Code: 502774 Product Name: EXALTOLIDE®

The product listed above is acceptable and/or approved for use in the European Union. Below is the flavoring status based on European Regulation 2008/1334/EC.

	Flavouring Preparation
	Natural Flavouring Substance
~	Flavouring Substance
	Thermal Process Flavouring
	Smoke Flavouring
	Flavour Precursor
	Other Flavouring
	Not Applicable: Contains no ingredients whose use is intended primarily for flavour.
	Not Permitted: Contains ingredient(s) which are not permitted in flavours in the EU.

Sincerely,

Vigon Regulatory Department regulatory@vigon.com Date of Issue: January 14, 2022

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

Nanomaterials



Product Name: EXALTOLIDE®

Vigon Code: 502774

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,



Spongiform Encephalopathy (BSE) Statement

Product Name: EXALTOLIDE®

Vigon Code: 502774

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 Code: 502774

We certify that the above material contains the following restricted substance restricted by IFRA Standards:

16-oxacyclohexadecan-1-one (CAS 106-02-5) 100%

- is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA 50th amendment), depending on the application and the percentage of use in the final product.

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.



Vigon Code: 502774

Country(s) or region	Inventory name O	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 Chine (IECSC)	Yes	
Europe	European Inventory of Existing Commercial Chemical Substa (EINECS)	ances Yes	
Japan	Invntory 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,

Residual Solvents



Product Name: EXALTOLIDE®

Vigon Code: 502774

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

Sincerely,



Vigon Code: 502774

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,

Melamine Statement



Product Name: EXALTOLIDE®

Vigon Code: 502774

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

Sincerely,

Phthalate Statement



Product Name: EXALTOLIDE®

Vigon Code: 502774

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 International, LLC. 127 Airport Road East Stroudsburg, PA 18301-9629 USA +1.570.476.6300 sales@vigon.com	Country of Origin: USA	H*	
VPASSION FOR SIMPLICITY +1.570.476.6300 sales@vigon.com	16- Chemical Name: oxacyclohexadecan-1-one	!	
	CAS#: 106-02-5		
EXALTOLIDE®	Flash Point: > 200°F (93°C)		
	Allergens: NONE		
Code: 502774 ID #: EXAMPLE	Liters: 0.000	Į.	
KG LB Approx. Gross: 0.000 0.000	Produced on: N/A	۱	
Approx. Tare:	Best used before: N/A	L I	
Net:	Lot #: EXAMPLE		
STORAGE CONDITIONS: Stable when stored in its original package, tightly sealed in			

STORAGE CONDITIONS: Stable when stored in its original package, tightly seale 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).

H A Z A R D S T A T E M E N T : Causes mild skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.P R E C A U T I O N A R Y S T A T E M E N T : -PREVENTION- Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.-RESPONSE- IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.-STORAGE- Store away from incompatible materials.-DISPOSAL-Dispose of contents/container in accordance with local/regional/national/international regulations.

