Product Specification



Product Name: ETHYL BUTYRATE FCC

Vigon Code: 500131

CAS Number: 105-54-4

FEMA Number: 2427

Characteristic:	

Acid Value Purity % Gas Chromatograph Odor Refractive Index (@20c) Specific Gravity (@25c)

Color/appearance

Specification:			
0.000	1.000		
98.50	100.00		
PASSES TEST			
FRUITY, BANANA OR PINEAPPLE-LIKE ODOR.			
1.3910	1.3940		
0.8700	0.8770		
CLEAR, COLO	CLEAR, COLORLESS TO VERY PALE YELLOW LIQUID.		

Additional Product Information:

Flash Point: 75 °F

Shelf Life: 36 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: May 21, 2021

Printed Date: July 13, 2024



500131 ETHYL BUTYRATE FCC

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1. IDENTIFICATION Product Description: ETHYL BUTYRATE FCC CAS# 105-54-4 **FEMA Number** 2427 Other means of identification Vigon Item # 500131 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 Only 24 Hour Emergency Response Information Company Vigon International, LLC INFOTRAC (ACCT# 78928); 1-800-535-5053 WITHIN THE U.S.A. 127 Airport Road 1-352-323-3500 OUTSIDE THE U.S.A. E. Stroudsburg, PA 18301 For information call: 570-476-6300 Web Site: www.vigon.com Manufacturer/Importer/Supplier/Distributor information Manufacturer Company name Vigon International, LLC Address 127 Airport Road E. Stroudsburg, PA 18301 United States Telephone For information call: 570-476-6300 Website www.vigon.com E-mail regulatory@vigon.com 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 Flammable liquids Category 3 Health hazards Acute toxicity, dermal Category 5 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Specific target organ toxicity, single exposure Category 3 respiratory tract irritation **Environmental hazards** Not classified. Label elements



Warning



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Hazard statement	Flammable liquid and vapor. May be harmful in contact with skin. Causes skin irritation. Causes skin and eye irritation. Causes serious eye irritation. May cause respiratory irritation.
Precautionary statement	
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	100% of the substance consists of component(s) of unknown acute inhalation toxicity. 100% of the substance consists of component(s) of unknown acute hazards to the aquatic environment. 100% of the substance consists of component(s) of unknown long-term hazards to the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Chemical name	Common name and synonyms	CAS number	%
ETHYL BUTYRATE	BUTYRIC ETHER	105-54-4	100
	ETHYL BUTANOATE		
	ETHYL N-BUTYRATE		
	N-ETHYL BUTYRATE		

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.



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Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
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 Unsuitable extinguishing media Specific hazards arising from the chemical	Water spray, fog, CO2, dry chemical, or alcohol resistant foam. Do not use a solid water stream as it may scatter and spread fire. 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
proceduresEliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.
Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless
wearing appropriate protective clothing. Ventilate closed spaces before entering them.



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Methods and materials for containment and cleaning up	Collect and dispose of spillage as indicated in section 13 of the SDS.
сонцинала слов от салина , с р	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.
	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
	Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains.
	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. 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.
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 STORA	AGE
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.
8. EXPOSURE CONTROLS	S/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 Eye/face protection	ich as personal protective equipment Wear safety glasses with side shields (or goggles).
Skin protection Hand protection	Chemical resistant gloves.

	Other	Wear suitable protective clothing.	
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- **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.



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General hygiene considerations When using do not smoke. 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.
рН	Not available.
Melting point/freezing point	-149.44 °F (-100.8 °C)
Initial boiling point and boiling range	248 - 249.8 °F (120 - 121 °C)
Flash point	75.0 °F (23.9 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explose	sive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	10 mm Hg at 59 °F
Vapor density	4
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	1.73
Auto-ignition temperature	865 °F (462.78 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.88 g/cm3 estimated at 20 °C
Dynamic viscosity	0.71 mPa.s (59 °F (15 °C))
Explosive properties	Not explosive.
Flammability class	Flammable IC estimated
Kinematic viscosity	0.809 mm ² /s estimated
Molecular formula	C6-H12-O2
Molecular weight	116.16 g/mol
Oxidizing properties	Not oxidizing.



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Specific gravity	0.87 at 20 °C
Surface tension	23.94 mN/m (77 °F (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 heat, sparks, open flames and other ignition sources. 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	May cause irritation to the respiratory system.
Skin contact	May be harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. May be harmful in contact with skin.

Product	Species	Test Results	
ETHYL BUTYRATE (CAS 105-54	1-4)		
Acute			
Dermal			
LD50	Rabbit	> 2000 mg/kg	
Skin corrosion/irritation	Causes skin irritation. Skin - rabbit - Moderate skin irrita	tion - 24 h	
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitization			
Respiratory sensitization	Due to partial or complete lack of	data the classification is not possible.	
Skin sensitization	Due to partial or complete lack of data the classification is not possible.		
Germ cell mutagenicity	Due to partial or complete lack of	Due to partial or complete lack of data the classification is not possible.	
Carcinogenicity	Due to partial or complete lack of	data the classification is not possible.	



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IARC Monographs. Overall	Evaluation of	f Carcinogenicity			
Not listed.					
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)					
Not listed.					
US. National Toxicology Pro	ogram (NTP)	Report on Carcinogens			
Not listed. Reproductive toxicity	Due te p	artial or complete lack of data the classification	an ia nat nagaible		
	•	•			
Specific target organ toxicity - single exposure	May caus	se respiratory irritation.			
Specific target organ toxicity - repeated exposure	Due to pa	Due to partial or complete lack of data the classification is not possible.			
Aspiration hazard	Due to pa	artial or complete lack of data the classification	on is not possible.		
12. ECOLOGICAL INFOR	MATION				
Ecotoxicity 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.					
Product Species			Test Results		
ETHYL BUTYRATE (CAS	105-54-4)				
Aquatic					
Fish	LC0	Carp (Leuciscus idus melanotus)	35 mg/kg, 48 hours		
Acute					
Crustacea	LC50	Water flea (Daphnia magna)	755 mg/l, 24 hours		
Fish	LC50	Carp (Leuciscus idus melanotus)	53 mg/l, 48 hours		
Persistence and degradability	No data i	is available on the degradability of this subst	ance.		
Bioaccumulative potential					
Partition coefficient n-octan 1.73	ol / water (log) Kow)			
Mobility in soil	No data ;	available.			
Other adverse effects		adverse environmental effects (e.g. ozone d , endocrine disruption, global warming potent			
13. DISPOSAL CONSIDE	RATIONS				
Disposal instructions	into sewe used con	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 estal	Not established.			
Waste from residues / unused	Empty co	ontainers or liners may retain some product re	esidues. This material and its container must		

Waste from residues / unusedEmpty containers or liners may retain some product residues. This material and its container mustproductsbe disposed of in a safe manner (see: Disposal instructions).



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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

AD	N	
	UN number	1180
	UN proper shipping name	ETHYL BUTYRATE
	Transport hazard class(es)	3
	Subsidiary class(es)	-
	Packing group	111
	Environmental hazards	No
	Labels required	3
AD	R	
	UN number	1180
	UN proper shipping name	ETHYL BUTYRATE
	Transport hazard class(es)	3
	Subsidiary class(es)	-
	Packing group	III
	Environmental hazards	No
	Labels required	3
RI)	
	UN number	1180
	UN proper shipping name	ETHYL BUTYRATE
	Transport hazard class(es)	3
	Subsidiary class(es)	-
	Packing Group	III
	Environmental Hazards	No
	Labels required	3
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
DC	DT	
BU	LK	
	UN number	1180
	Proper shipping name	ETHYL BUTYRATE
	Hazard class	3
	Packing group	III
	Environmental hazards	
	Marine pollutant	No
	Packaging exceptions	150
	Packaging bulk	242
	Labels required	3
DC		
NC	N-BULK	
	UN number	1180
	Proper shipping name	ETHYL BUTYRATE
	Hazard class	3



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Environmental hazardsMarine pollutantNoPackaging exceptions150Packaging non bulk203Labels required3IATA1180UN number1180UN proper shipping nameETHYL BUTYRATETransport hazard class(es)3Subsidiary class(es)-Packing groupIIIEnvironmental hazardsNoLabels required3IMDG1180UN number1180IMDGETHYL BUTYRATETransport hazard class(es)3IMDGIIIImmoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder3Immoder3Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder1180Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Immoder3Im	Packing group	111
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Transport in bulk according Not applicable. to Annex II of MARPOL	Marine pollutant	No
to Annex II of MARPOL	Labels required	3
	Transport in bulk according	Not applicable.
73/78 and the IBC Code	to Annex II of MARPOL	
	73/78 and the IBC Code	

ADN; ADR; DOT BULK; DOT NON-BULK; IATA; IMDG; RID



15. REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

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

Not regulated.



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CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.			
SARA 304 Emergency release notification			
Not regulated.			
-	ated Substances (29 CFR 1910.1001-1053)		
Not listed.			
Superfund Amendments and F SARA 302 Extremely haz Not listed.	Reauthorization Act of 1986 (SARA) ardous substance		
SARA 311/312 Hazardou chemical	s Yes		
Classified hazard	Flammable (gases, aerosols, liquids, or solids)		
categories	Skin corrosion or irritation		
	Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure)		
	Hazard not otherwise classified (HNOC)		
SARA 313 (TRI reporting Not regulated.	0		
Other federal regulations			
Clean Air Act (CAA) Secti	ion 112 Hazardous Air Pollutants (HAPs) List		
Not regulated.			
Clean Air Act (CAA) Secti	ion 112(r) Accidental Release Prevention (40 CFR 68.130)		
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
16. OTHER INFORMAT	ION, INCLUDING DATE OF PREPARATION OR LAST REVISION		
Issue date	10-02-2013		
Revision date	07-10-2024		
Version #	06		
HMIS® ratings	Health: 2		
	Elemente el ille el O		

Flammability: 3 Physical hazard: 0



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Disclaimer

Vigon International, LLC 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.





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: November 21, 2023 Document #: 6718.12506.II233663

Company Name & Address:	Vigon International, LLO	C 127 Airport Road East Stroudsburg, Per	nsylvania 18301 USA	
Plant Name & Address:	Vigon International, LLO	C 127 Airport Road East Stroudsburg, Per	nsylvania 18301 USA	
ProductName		Product Code	Halal-ID	Product Certificate #
1. ETHYL BUTYRATE FCC		500131	A82046	HC-23VIRQ58
Mahamma Hum Chaudry Muhammad Munir Chaudry, PhD. President	THE REAL PROPERTY OF A CONTRACT OF A CONTRAC		1, 2025 and subject to renewal at that time. 60016 USA • Tel: (847) 993-0034 • Fax: (84	MEMBER 7) 993-0038 D220135401ICL1E



Vigon Code: 500131

FEMA #: 2427

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,



Vigon Code: 500131

* 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.	
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: July 13, 2024

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

GMO Status Statement



Product Name: ETHYL BUTYRATE FCC

Vigon Code: 500131

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: ETHYL BUTYRATE FCC

Vigon Code: 500131

CAS #: 105-54-4 ethyl butanoate

100%

Sincerely,



Vigon Code: 500131

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: 500131

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: ETHYL BUTYRATE FCC

Vigon Code: 500131

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: 500131

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: 500131

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: ETHYL BUTYRATE FCC

Vigon Code: 500131

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,

EU Declaration



Vigon Code: 500131 Product Name: ETHYL BUTYRATE FCC

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,

Nanomaterials



Product Name: ETHYL BUTYRATE FCC

Vigon Code: 500131

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,

Vigon Code: 500131

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: 500131

• 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 Code: 500131

Country(s) or region	Inventory name C	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 Subst (EINECS)	ances 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)	s Yes	
United States & Puerto Rico	Toxic Substances and Control Act (TSCA) Inventory	Yes	

Sincerely,

Residual Solvents



Product Name: ETHYL BUTYRATE FCC

Vigon Code: 500131

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: 500131

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: ETHYL BUTYRATE FCC

Vigon Code: 500131

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

Sincerely,

Phthalate Statement

e azelis VIGON

Product Name: ETHYL BUTYRATE FCC

Vigon Code: 500131

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,