# **Product Specification**

Product Name: RHUBAFURAN

Vigon Code: 503248

**CAS Number:** 82461-14-1

# FEMA Number: N/A

VIGON

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<u>Characteristic:</u>	Specification:	
Assay (sum Of Isomers)%	93.00	100.00
Gas Chromatograph	PASSES TEST	
Odor	GREEN, RHUBARB AND GRAPEFRUIT ODOR.	
Peroxide Value (mmol/l)	0.00	20.00
Refractive Index (@20c)	1.5140	1.5200
Specific Gravity (@25c)	0.9850	0.9910
Color/appearance	COLORLESS TO	PALE YELLOW LIQUID.

# Additional Product Information:

Flash Point: >200 °F

Shelf Life: 48 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 6, 2009

#### Printed Date: July 16, 2024



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# 1. IDENTIFICATION

1. IDENTIFICATION			
Product Description:	RHUBAFURAN		
CAS #	82461-14-1		
Other means of identification			
Vigon Item #	503248		
Recommended use	Concentrated aromatic ing IFRA guidelines.	Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines.	
Recommended restrictions	For Manufacturing Use On	ly	
<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: 570-476-630	)		
Web Site: www.vigon.com			
Manufacturer/Importer/Supplier/D Manufacturer	stributor information		
Company name	Vigon International, Inc.		
Address	127 Airport Road		
	E. Stroudsburg, PA 18301		
<b>_</b>	United States		
	For information call:	570-476-6300	
Website E-mail	www.vigon.com Not available.		
	INFOTRAC	(ACCT# 78928);	
Emergency phone number	1-800-535-5053	WITHIN THE U.S.A.	
	1-352-323-3500	OUTSIDE THE U.S.A.	
2. HAZARD(S) IDENTIFICA			
Physical hazards	Not classified.		
Health hazards	Acute toxicity, oral	Category 5	
Environmental hazards	Not classified.		
Label elements			
Hazard symbol	None.		
Signal word	Warning		
Hazard statement	May be harmful if swallowe	ed.	
Precautionary statement			
Prevention	Observe good industrial hygiene practices.		
Response	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.		
Storage	Store away from incompatible materials.		



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Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	100% of the substance consists of component(s) of unknown acute dermal toxicity. 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	%
furan, tetrahydro -2,4-dimethyl -4-phenyl	2,4-Dimethyl-4-phenyltetrahydrofuran 2,4-dimethyl-4-phenyloxolane	82461-14-1	100
Composition comments	Other related CAS numbers 99343-91-6, 99434	1-90-5	
4. FIRST-AID MEASURES			
Inhalation	If breathing is difficult, remove to fresh air and k For breathing difficulties, oxygen may be neces persist.	•	•
Skin contact	Take off immediately all contaminated clothing. persists. Wash skin thoroughly with soap and w		ation develops and
Eye contact	Remove contact lenses, if present and easy to e persists. Promptly wash eyes with plenty of wat		irritation develops and
Ingestion	Call a physician or poison control center immed the person is conscious). Do not induce vomitin so that stomach vomit doesn't enter the lungs.		· ·
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary i	irritation.	
Indication of immediate medical attention and special treatment needed	Not available.		
General information	Ensure that medical personnel are aware of the protect themselves. Show this safety data shee		-

# **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.
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.



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Fire fighting	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and

equipment/instructions	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	Eliminate 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.
Methods and materials for containment and cleaning up	Collect and dispose of spillage as indicated in section 13 of the SDS.
	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 STORAGE

	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/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.



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#### 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	Wear suitable protective clothing.
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	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.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling	Not available.
Flash point	> 200.0 °F (> 93.3 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explose	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.01 mm Hg at 20 °C
Vapor density	6.1
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	478.4 - 480.2 °F (248 - 249 °C)



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Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Flammability class	Combustible IIIB estimated
Molecular formula	C12H16O
Molecular weight	176.26 g/mol 176.26 g/mol
Oxidizing properties	Not oxidizing.
Specific gravity	0.99 at 25 °C

# **10. STABILITY AND REACTIVITY**

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

# **11. TOXICOLOGICAL INFORMATION**

Information on likely routes of e	exposure	
Inhalation	Knowledge about health hazard is i	ncomplete.
Skin contact	Causes mild skin irritation.	
Eye contact	Knowledge about health hazard is i	ncomplete. 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 eff	fects	
Acute toxicity	May be harmful if swallowed.	
Product	Species	Test Results
furan, tetrahydro -2,4-dimethyl	-4-phenyl (CAS 82461-14-1)	
Acute		
Oral		
LD50	Rat	3990 mg/kg
Skin corrosion/irritation		ata the classification is not possible.



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Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible. Vapors may cause irritation to the eyes.
Respiratory or skin sensitization	
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible. Vapors may cause irritation to the respiratory system.
Skin sensitization	Due to partial or complete lack of data the classification is not possible. Maximization Test: guinea pig Result: Not sensitizing
	Phototoxicity: rabbit Result: negative
	Photoallergy: guinea pig Result: negative
Germ cell mutagenicity	Genotoxicity in vitro Ames test negative 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.
	Evaluation of Carcinogenicity
Not listed.	
OSHA Specifically Regulate	d Substances (29 CFR 1910.1001-1053)
Not listed.	
	gram (NTP) Report on Carcinogens
Not listed.	
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
12. ECOLOGICAL INFORI	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.
Persistence and degradability	Biodegradability Result: Not readily biodegradable. Method: OECD Test Guideline 301B
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.



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# **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

Not regulated as dangerous goods.

#### ADR

Not regulated as dangerous goods.

#### RID

Not regulated as dangerous goods.

#### DOT

BULK

Not regulated as dangerous goods.

#### DOT

#### NON-BULK

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

## **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.

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

Not listed.

#### SARA 304 Emergency release notification

Not regulated.



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OSHA Specifically Regulated	d Substances (29 CFR 1910.1001-1053)	
Not listed.		
Superfund Amendments and Rea SARA 302 Extremely hazard		
Not listed.		
SARA 311/312 Hazardous chemical	No	
SARA 313 (TRI reporting) Not regulated.		
Other federal regulations		
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants (HAPs) List	
Not regulated.		
Clean Air Act (CAA) Section	112(r) Accidental Release Prevention (40 CFR 68.130)	
Not regulated.		
Safe Drinking Water Act (SDWA)	Not regulated.	
16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION		
Issue date	11-23-2015	
Revision date	10-23-2019	

10-23-2019 02 Health: 1 Flammability: 1 Physical hazard: 0



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#### Disclaimer

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

#### **Revision information**

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



Vigon Code: 503248

FEMA #: N/A

Vigon International, LLC. certifies that the above ingredient is **<u>not</u>** 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,

# **Allergen/Sensitive Agents Identification Sheet**



### Product Name: RHUBAFURAN

#### Vigon Code: 503248

\* 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	
	I

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 16, 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



Vigon Code: 503248

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: RHUBAFURAN

Vigon Code: 503248

CAS #: 82461-14-1 2,4-dimethyl-4-phenyloxolane

100%

Sincerely,



Vigon Code: 503248

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: 503248

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: 503248

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

# <u>Stabilizer(s)</u>

# TOCOPHEROL

Percentage 0.0100

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: 503248

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: 503248

## 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	
<b>Ovo-Vegetarians</b> 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: 503248

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,

# Nanomaterials



### Product Name: RHUBAFURAN

### Vigon Code: 503248

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: 503248

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: 503248

• 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: 503248

Country(s) or region	Inventory name Oi	n 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 Substated (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)	Yes
United States & Puerto Rico	Toxic Substances and Control Act (TSCA) Inventory	Yes

Sincerely,

# **Residual Solvents**



### Product Name: RHUBAFURAN

# Vigon Code: 503248

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: 503248

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: RHUBAFURAN

Vigon Code: 503248

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: RHUBAFURAN

Vigon Code: 503248

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,