

507972 SYMOCIDE PH

 Revision Date: 04-02-2018
 Page 1 of 10

 Version # 02
 Print Date: 04-02-2018

1. IDENTIFICATION

Product Description:	SYMOCIDE PH	
CAS #	MIXTURE	
Other means of identification Vigon Item #	507972	
Recommended use	Cosmetic material for FDA	regulated product use.
Recommended restrictions	For Manufacturing Use On	ıly
<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. 1-352-323-3500 OUTSIDE THE U.S.A.
E. Stroudsburg, PA 18301		1-352-323-3500 OUTSIDE THE U.S.A.
For information call: 570-476-630	00	
Web Site: www.vigon.com		
Manufacturer/Importer/Supplier/E	Distributor information	
Manufacturer		
Company name Address	Vigon International, Inc. 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 1-352-323-3500	WITHIN THE U.S.A. OUTSIDE THE U.S.A.
2. HAZARD(S) IDENTIFIC	ATION	
Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 5
	Serious eye damage/eye i	rritation Category 2A
Environmental hazards	Not classified.	
Label elements		
	\wedge	

Signal word Hazard statement Precautionary statement Prevention Warning

May be harmful if swallowed. Causes serious eye irritation.

Wash thoroughly after handling. Wear eye protection/face protection.



507972 SYMOCIDE PH

Revision Date: 04-02-2018	Page 2 of 10
Version # 02	Print Date: 04-02-2018

Response	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 eye irritation persists: Get medical advice/attention.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	75% of the mixture consists of component(s) of unknown acute inhalation toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	%
PHENOXY ETHANOL	2-phenoxyethanol ethylene glycol monophenyl ether glycol monophenyl ether 1- hydroxy-2-phenoxyethane beta- hydroxyethyl phenyl ether BETA-PHENOXYETHANOL BETA-PHENOXYETHYL ALCOHOL	122-99-6	50 - < 70
4'-HYDROXYACETOPHENONE	HYDROXYACETOPHENONE, 4- P-ACETYL-PHENOL 4-HYDROXYPHENYL METHYL KETONE 4-ACETOPHENOL 1-(4-HYDROXYPHENYL)-1-ETHANONE	99-93-4	20 - < 30
1,2-OCTANEDIOL	1,2-octylene glycol 1,2-dihydroxyoctane octane-1,2-diol CAPRYLYL GLYCOL 1,2-Octanediol	1117-86-8	10 - < 20

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	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.



507972 SYMOCIDE PH

Revision Date: 04-02-2018	Page 3 of 10
Version # 02	Print Date: 04-02-2018
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 MEASL	JRES
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.
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	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.
Methods and materials for containment and cleaning up	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.
	This product is miscible in water.
	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

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.



507972 SYMOCIDE PH

Revision Date: 04-02-2018 Version # 02 Page 4 of 10 Print Date: 04-02-2018

7. HANDLING AND STORA	GE
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	PERSONAL PROTECTION
Occupational exposure limits	This mixture has no ingredients that have 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	ch as personal protective equipment Wear safety glasses with side shields (or goggles).
Skin protection Hand protection	Chemical resistant gloves.
Other	Not available.
Respiratory protection	Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection mus 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.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	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 explosive limits	
Flammability limit - lower (%)	Not available.



507972 SYMOCIDE PH

Revision Date: 04-02-2018	Page 5 of 10
Version # 02	Print Date: 04-02-2018

Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.09 at 20 °C relation to density of water at 4°C
Solubility(ies) Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Molecular formula	Not applicable
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	No adverse effects due to skin contact are expected.	
Eye contact	Causes serious eye irritation.	
Ingestion	May be harmful if swallowed.	
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.	
Information on toxicological effects	5	
Acute toxicity	May be harmful if swallowed.	



507972 SYMOCIDE PH

Revision Date: 04-02-2018	Page 6 of 10
Version # 02	Print Date: 04-02-2018

Product	Species	Test Results	
SYMOCIDE PH			
Acute			
Oral			
LD50		2297 mg/kg Calculation method	
Components	Species	Test Results	
1,2-OCTANEDIOL (CAS 1117-8	6-8)		
Acute			
Oral			
LD50	Rat	> 2000 mg/kg	
4'-HYDROXYACETOPHENONE	(CAS 99-93-4)		
Acute			
Dermal			
LD50	Rabbit	> 2000 mg/kg OECD Test Guideline 402	
Oral			
LD50	Rat	2240 mg/kg OECD Test Gudieline 401	
PHENOXY ETHANOL (CAS 122	2-99-6)		
Acute			
Oral			
LD50	Rat	1840 mg/kg	
Skin corrosion/irritation	Prolonged skin contact may cause ter	nporary irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitization			
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to cause	skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity			
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Not listed.			
OSHA Specifically Regulate	d Substances (29 CFR 1910.1001-1052)		
Not regulated.			
	ogram (NTP) Report on Carcinogens		
Not listed.			
	ulated Substances (29 CFR 1910.1001-10	15U)	
Not available.			
Reproductive toxicity		reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.		



507972 SYMOCIDE PH

Revision Date: 04-02-2018		F	Page 7 of 10
Version # 02		F	Print Date: 04-02-2018
Specific target organ toxicity - repeated exposure	Not classif	ïed.	
Aspiration hazard	Not an asp	biration hazard.	
12. ECOLOGICAL INFOR	MATION		
Ecotoxicity	-	The product is not classified as environmentally hazardous. However, this does not exclude t possibility that large or frequent spills can have a harmful or damaging effect on the environn	
Components		Species	Test Results
4'-HYDROXYACETOPHEN	IONE (CAS 99	-93-4)	
	EC50	Selenastrum capricornutum (new name Pseudokirchnerella subca	4.5 mg/l, 96 hours
Aquatic			
Fish	LC50	Flagfish (Jordanella floridae)	189 mg/l, 2 hours
Acute			
Crustacea	EC50	Daphnia magna	50 mg/l, 48 hours
Fish	LC50	Oncorhynchus mykiss	25 mg/l, 96 hours
PHENOXY ETHANOL (CA	S 122-99-6)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	> 337 - < 352 mg/l, 96 hours
Persistence and degradability	No data is	available on the degradability of any ingredie	ents in the mixture.
Bioaccumulative potential			
Partition coefficient n-octan PHENOXY ETHANOL	ol / water (log l	(ow) 1.16	
lobility in soil	No data av	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		
13. DISPOSAL CONSIDE	RATIONS		
Disposal instructions	into sewer used conta	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.	
_ocal disposal regulations	Dispose in	accordance with all applicable regulations.	
lazardous waste code	Not establ	ished.	
Waste from residues / unused products		tainers or liners may retain some product resi ed of in a safe manner (see: Disposal instruction	

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.



507972 SYMOCIDE PH

Revision Date: 04-02-2018

Version # 02

Page 8 of 10 Print Date: 04-02-2018

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.

ΙΑΤΑ

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.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification
Not regulated.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

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

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes	
Classified hazard categories	Acute toxicity (any route of exposure) Serious eye damage or eye irritation	
SARA 313 (TRI reporting) Chemical name	CAS number	% by wt.

PHENOXY ETHANOL

122-99-6

50 - < 70



507972 SYMOCIDE PH

Revision Date: 04-02-2018	Page 9 of 10
Version # 02	Print Date: 04-02-2018

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	07-28-2017
Revision date	04-02-2018
Version #	02
HMIS® ratings	Health: 2 Flammability: 1 Physical hazard: 0
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 th

laws and regulations.



507972 SYMOCIDE PH

Revision Date: 04-02-2018 Version # 02 Page 10 of 10 Print Date: 04-02-2018

Revision information

IDENTIFICATION: Recommended restrictions COMPOSITION/INFORMATION ON INGREDIENTS: Component information Physical & Chemical Properties: Multiple Properties TOXICOLOGICAL INFORMATION: Carcinogenicity ECOLOGICAL INFORMATION: Persistence / degradability 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



Product Name: SYMOCIDE® PH

Vigon Code: 507972

* 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	
EGG & EGG PRODUCTS liquid and powders	
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, Inc. follows Good Manufacturing Practices and has implemented HACCP systems. Our personnel are trained on the proper handling of allergenic materials. Sincerely,

Amancia Moyer

Amanda Moyer Product Documentation Coordinator Date of Issue: May 29, 2018

Vigon International, Inc.

GMO Status Statement



Product Name: SYMOCIDE[®] PH

Vigon Code: 507972

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

Sincerely,

Amancia Moyer

Amanda Moyer Product Documentation Coordinator Date of Issue: May 29, 2018



Product Name: SYMOCIDE® PH

Vigon Code: 507972

Vigon International, Inc. 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, Inc. 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,

Amancia Moyer

Amanda Moyer Product Documentation Coordinator Date of Issue: May 29, 2018



Product Name: SYMOCIDE[®] PH

Vigon Code: 507972

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

The article(s) comprising each shipment or other delivery hereafter made by Vigon International, Inc. 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,

Amancia Moyer

Amanda Moyer Product Documentation Coordinator Date of Issue: May 29, 2018



Product Name: SYMOCIDE[®] PH

Vigon Code: 507972

Vigon International, Inc. 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,

Amancia Moyer

Amanda Moyer Product Documentation Coordinator Date of Issue: May 29, 2018

Vigon International, Inc.



Product Name: SYMOCIDE[®] PH

Vigon Code: 507972

Vigon International, Inc. 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,

Amancia Moyer

Amanda Moyer Product Documentation Coordinator Date of Issue: May 29, 2018