

General Overview

The Nature's Sunshine eCommerce Services is a Web Service/API or collection of RESTful service calls. These service calls enable Nature's Sunshine distributors to get data from, and request actions to, Nature's Sunshine technical systems directly. The goal of these services is to enable Nature's Sunshine distributors to optionally run their own information-rich, shopping websites, with automated dropship order fulfillment requests sent to Nature's Sunshine.

Service URL

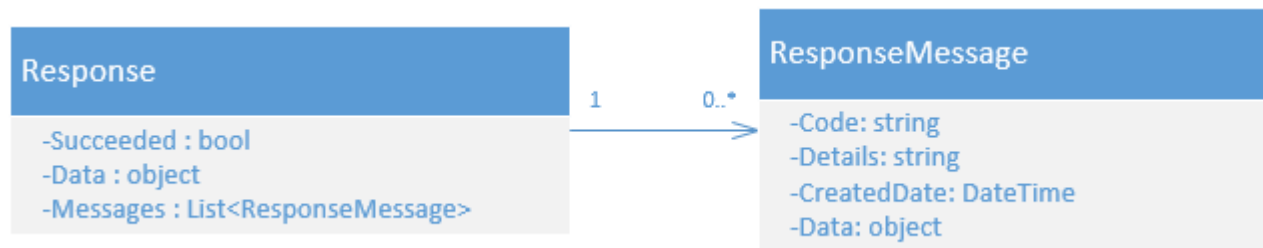
The Nature's Sunshine eCommerce Services are RESTful services that communicate over Hypertext Transfer Protocol (HTTP) with the same HTTP verbs (GET, POST) that web browsers use to retrieve web pages and to send data to remote servers. The following is an explanation of the various parts of the service URL, with their requirements and purposes:

- **Scheme/Protocol:** The URL scheme/protocol must always be https. If sent via http, a redirect will automatically take place and could negatively affect performance.
- **Hostname:** The domain name is always naturessunshine.com, but the production environment utilizes the "www" sub-domain and the test/sandbox environment has the "sandbox" sub-domain. Submitting orders to the production environment indicates a commitment to purchase.
- **Country Directory:** The first directory after the hostname defines the target country. The value must be a valid ISO 3166-1, alpha-2 code, which represent a country supported by Nature's Sunshine. That country will be used to get item data or to process an order.
- **API Directory:** The second directory will always be "api." This routes requests to the API controller/service.
- **Call/Method Name:** The last directory defines the specific call/method being invoked; therefore it differs from call to call.

Return Data

All calls will return data in JSON (JavaScript Object Notation) text format. The JSON data returned will always be in the following “Response” object structure:

UML Diagram



JSON Structure

```

{
  "Succeeded": true|false,
  "Data": {...},
  "Messages": [{...}, {...}]
}
    
```

If the call succeeds, the “Succeeded” property will be true, the “Data” property will contain the expected data relating to the specific call, and the “Messages” property will be null.

```

{
  "Succeeded": true,
  "Data": {...},
  "Messages": null
}
    
```

If the call fails, the “Succeeded” property will be false, the “Data” property will be null, and the “Messages” property will be populated with an array of message(s) detailing the reason for the call failure.

```

{
  "Succeeded": false,
  "Data": null,
  "Messages": [{...}, {...}]
}
    
```

Item API Calls

Get Items

Production URL:	https://www.naturessunshine.com/us/api/getItems																								
Sandbox URL:	https://sandbox.naturessunshine.com/us/api/getItems																								
Method (Request Type):	GET (query string parameters)																								
URL Parameters:	<p>Required Parameters:</p> <p style="background-color: #cccccc; padding: 2px;">No required parameters</p> <p>Optional Parameters:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th>Parameter Key/Name</th> <th>Data/Value Type</th> <th>Sample Value(s)</th> <th>Default Value</th> <th>Description/Notes</th> </tr> </thead> <tbody> <tr> <td>language</td> <td>String: ISO 639-1: two-letter code</td> <td>en, es, fr, pl, zh</td> <td>None</td> <td>If this parameter is not passed or the default value of "None" is used or the language passed is not a valid country language, the default language for the country will be used.</td> </tr> <tr> <td>excludeInactive</td> <td>Boolean (true or false)</td> <td>true, false</td> <td>true</td> <td>Control whether or not to return active items/products only.</td> </tr> <tr> <td>excludeSpecials</td> <td>Boolean (true or false)</td> <td>true, false</td> <td>true</td> <td>Control whether or not to return item specials (product promotions). Setting this to false could eliminate the need to call GetItemSpecials,</td> </tr> </tbody> </table>					Parameter Key/Name	Data/Value Type	Sample Value(s)	Default Value	Description/Notes	language	String: ISO 639-1: two-letter code	en, es, fr, pl, zh	None	If this parameter is not passed or the default value of "None" is used or the language passed is not a valid country language, the default language for the country will be used.	excludeInactive	Boolean (true or false)	true, false	true	Control whether or not to return active items/products only.	excludeSpecials	Boolean (true or false)	true, false	true	Control whether or not to return item specials (product promotions). Setting this to false could eliminate the need to call GetItemSpecials,
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					and get all items at once.
Successful Response Data:	<p>JSON array of Item objects.</p> <p>See Data Objects section for Item object details.</p> <p>See General Overview section for explanation of the returned Response object, and successful and error response handling.</p>				
Other Notes:	<p>Item data should not be requested more than once an hour. Nature’s Sunshine itself does not refresh item data any more often than once an hour. Item data seldom changes. Once a day is a recommended refresh rate.</p>				

Get Item Specials

Production URL:	https://www.naturessunshine.com/us/api/getItemSpecials														
Sandbox URL:	https://sandbox.naturessunshine.com/us/api/getItemSpecials														
Method (Request Type):	GET (query string parameters)														
URL Parameters:	<p>Required Parameters:</p> <p>No required parameters</p> <p>Optional Parameters:</p> <table border="1"> <thead> <tr> <th>Parameter Key/Name</th> <th>Data/Value Type</th> <th>Sample Value(s)</th> <th>Default Value</th> <th>Description/Notes</th> </tr> </thead> <tbody> <tr> <td>language</td> <td>String: ISO 639-1: two-letter code</td> <td>en, es, fr, pl, zh</td> <td>None</td> <td>If this parameter is not passed or the default value of “None” is used or the language passed is not a valid country</td> </tr> </tbody> </table>					Parameter Key/Name	Data/Value Type	Sample Value(s)	Default Value	Description/Notes	language	String: ISO 639-1: two-letter code	en, es, fr, pl, zh	None	If this parameter is not passed or the default value of “None” is used or the language passed is not a valid country
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Order API Calls

Review Order

Production URL:	https://www.naturessunshine.com/us/api/reviewOrder																								
Sandbox URL:	https://sandbox.naturessunshine.com/us/api/reviewOrder																								
Method (Request Type):	POST (JSON object)																								
JSON Data Parameters:	<p>Required Parameters:</p> <table border="1"> <thead> <tr> <th>Parameter Key/Name</th> <th>Data/Value Type</th> <th>Sample Value(s)</th> <th>Default Value</th> <th>Description/Notes</th> </tr> </thead> <tbody> <tr> <td>Username</td> <td>String</td> <td>iLoveNSP@domain.com</td> <td></td> <td>This is the same username you would use on the Nature's Sunshine website, which is tied to your account – the account that the order will be associated with.</td> </tr> <tr> <td>Password</td> <td>String</td> <td>*****</td> <td></td> <td>This is the same password you would use on the Nature's Sunshine website, which is tied to your account – the account that the order will be associated with.</td> </tr> <tr> <td>Order</td> <td>OrderImport</td> <td>See Data Objects section for details.</td> <td></td> <td>The OrderImport object is a simplified Order object to allow</td> </tr> </tbody> </table>					Parameter Key/Name	Data/Value Type	Sample Value(s)	Default Value	Description/Notes	Username	String	iLoveNSP@domain.com		This is the same username you would use on the Nature's Sunshine website, which is tied to your account – the account that the order will be associated with.	Password	String	*****		This is the same password you would use on the Nature's Sunshine website, which is tied to your account – the account that the order will be associated with.	Order	OrderImport	See Data Objects section for details.		The OrderImport object is a simplified Order object to allow
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Successful Response Data:	<p>JSON Order object.</p> <p>See Data Objects section for Order object details. See General Overview section for explanation of the returned Response object, and successful and error response handling.</p>						
Other Notes:	<p>This call can be used to get totals (tax, shipping, discounts, etc.), verify product availability, verify offers/promotions, etc. Calling ReviewOrder is not required to call SubmitOrder.</p>						

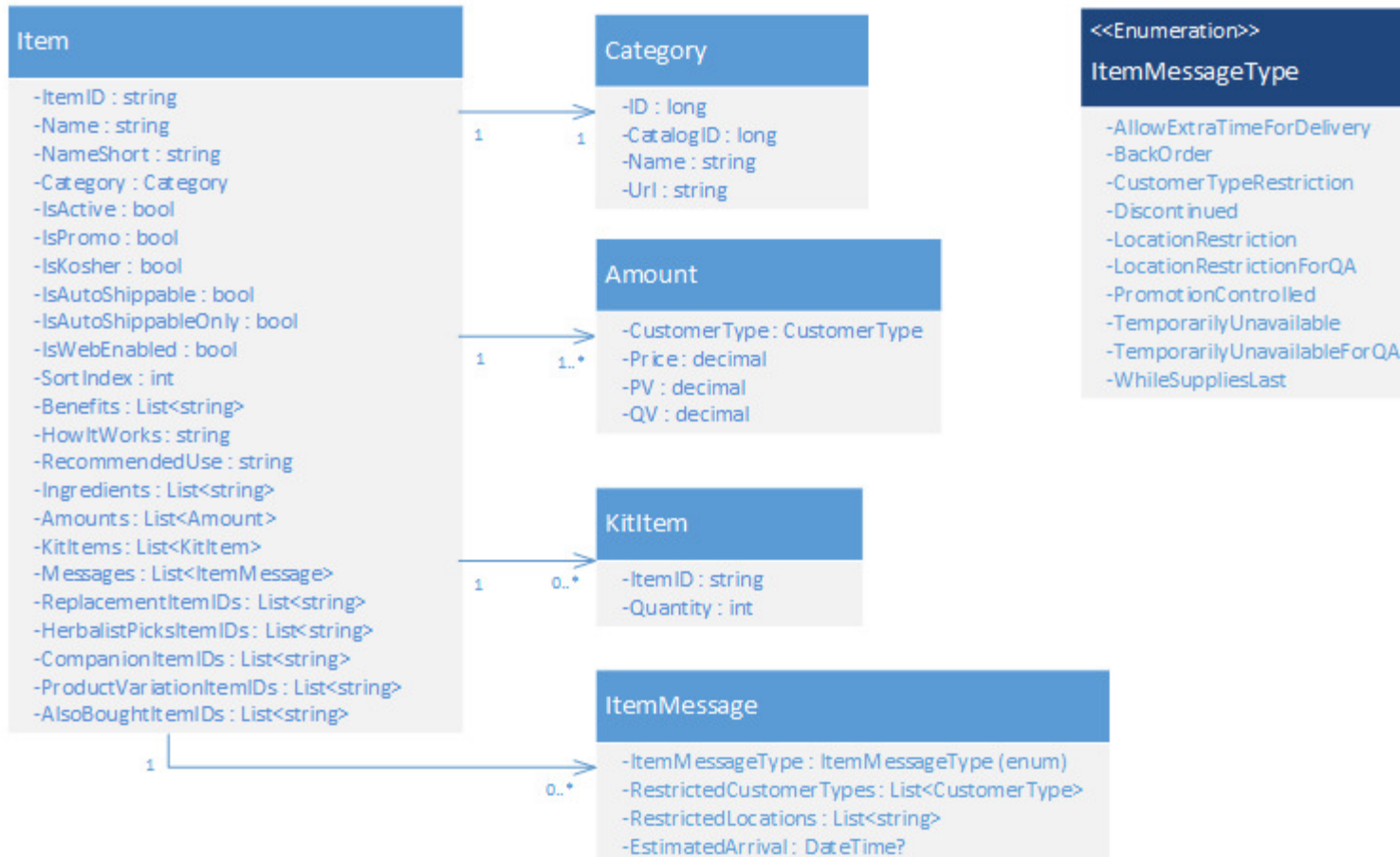
Submit Order

Production URL:	https://www.naturessunshine.com/us/api/submitOrder										
Sandbox URL:	https://sandbox.naturessunshine.com/us/api/submitOrder										
Method (Request Type):	POST (JSON object)										
JSON Data Parameters:	<p>Required Parameters:</p> <table border="1"> <thead> <tr> <th>Parameter Key/Name</th> <th>Data/Value Type</th> <th>Sample Value(s)</th> <th>Default Value</th> <th>Description/Notes</th> </tr> </thead> <tbody> <tr> <td>Username</td> <td>String</td> <td>iLoveNSP@domain.com</td> <td></td> <td>This is the same username you would use on the Nature's Sunshine website, which is tied to your account – the account that the</td> </tr> </tbody> </table>	Parameter Key/Name	Data/Value Type	Sample Value(s)	Default Value	Description/Notes	Username	String	iLoveNSP@domain.com		This is the same username you would use on the Nature's Sunshine website, which is tied to your account – the account that the
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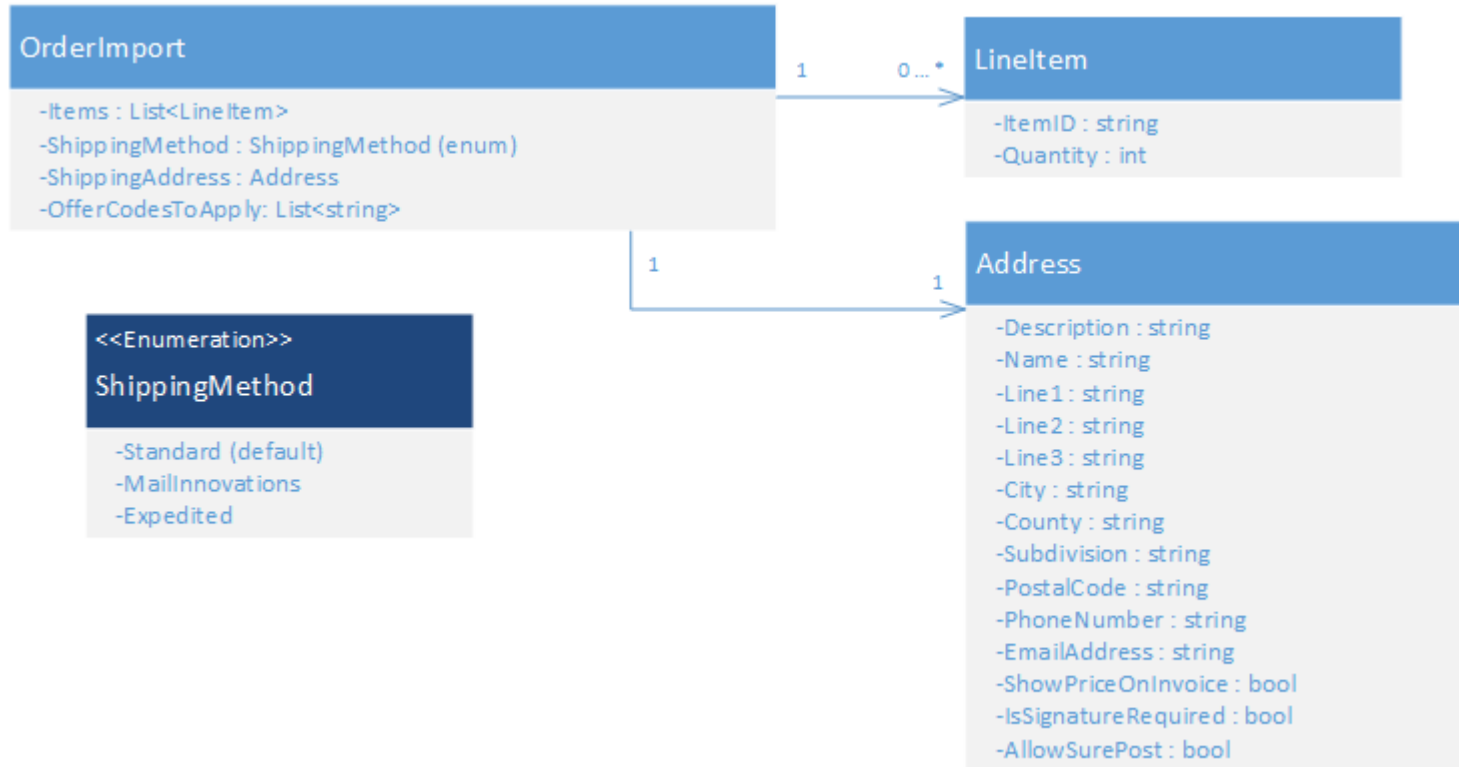
				order will be associated with.
	Password	String	*****	This is the same password you would use on the Nature's Sunshine website, which is tied to your account – the account that the order will be associated with.
	Order	OrderImport	See Data Objects section for details.	The OrderImport object is a simplified Order object to allow for focused and controlled order data entry.
	Optional Parameters:			
	No optional URL parameters			
Successful Response Data:	JSON Order object. See Data Objects section for Order object details. See General Overview section for explanation of the returned Response object, and successful and error response handling.			
Other Notes:	This call is for dropship orders only, which means the order will be billed and sold to the account owner (matching the Username & Password), but can be shipped to a destination of choice within the account owner's country. This call commits the order to be processed ("Booked") by Nature's Sunshine. The account's default payment method (Credit Card or ACH) and related default payment information (Credit Card or Bank Account) will always be used, and by calling this service it is implied that Nature's Sunshine is authorized to do so.			

Data Objects

Item



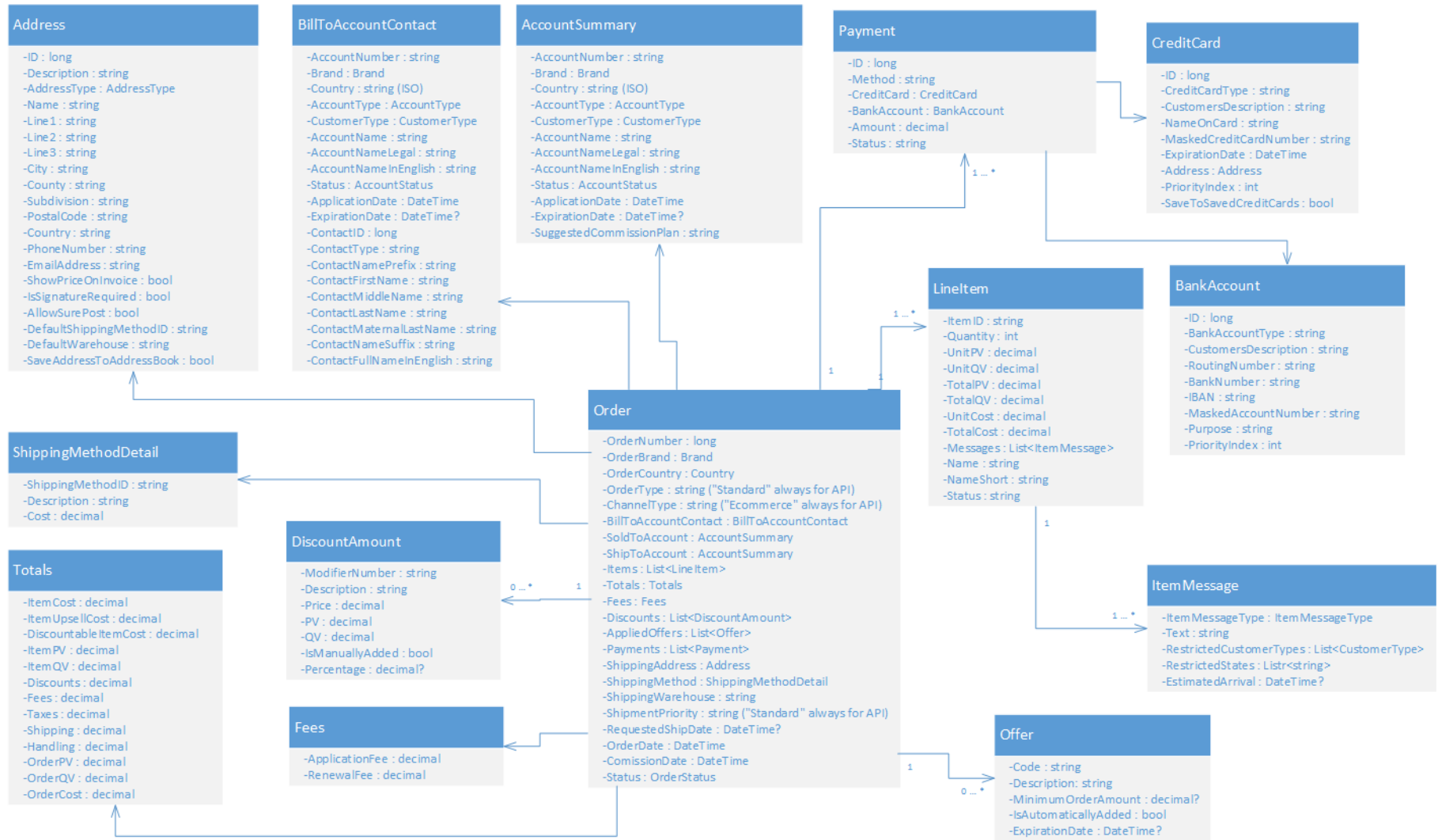
OrderImport



OrderImport Property Details

Fully Qualified Property Name	C# Data Type	Max Length	Value Explanation	Is Required?
OrderImport.Items.ItemID	string	10?	This is the new product SKU, which will not include the dash and check digit. Product promotions (specials) will start with the letter "P".	Yes
OrderImport.Items.Quantity	int	See "C# Data Type"		Yes
OrderImport.ShippingMethod	string	Same as the longest enumeration value option.	Must be one of the defined enumeration options: "Standard", "MailInnovations", and "Expedited".	Yes
OrderImport.ShippingAddress.Description	string	50	Any Unicode character combination.	No
OrderImport.ShippingAddress.Name	string	38	Any Unicode character combination.	Yes
OrderImport.ShippingAddress.Line1	string	38	Any Unicode character combination.	Yes
OrderImport.ShippingAddress.Line2	string	38	Any Unicode character combination.	No
OrderImport.ShippingAddress.Line3	string	38	Any Unicode character combination.	No
OrderImport.ShippingAddress.City	string	15	Any Unicode character combination.	Yes
OrderImport.ShippingAddress.Subdivision	string	2	USPS state postal codes (see USPS column).	Yes
OrderImport.ShippingAddress.PostalCode	string	10	The basic 5-digit ZIP code format, or the additional 4 digits after a dash to form a ZIP+4 code. ZIP+4 is preferred.	Yes
OrderImport.ShippingAddress.PhoneNumber	string	20	With or without formatting. With or without extension information.	No
OrderImport.ShippingAddress.EmailAddress	string	255	Valid email format.	No
OrderImport.ShippingAddress.ShowPriceOnInvoice	bool		"true" or "false"	Yes
OrderImport.ShippingAddress.IsSignatureRequired	bool		"true" or "false"	Yes
OrderImport.ShippingAddress.AllowSurePost	bool		"true" or "false"	Yes

Order



Order (continued)

<p><<Enumeration>> AccountType</p> <ul style="list-style-type: none"> -None -Business -Individual 	<p><<Enumeration>> CustomerType</p> <ul style="list-style-type: none"> -None -Consumer -Distributor -Employee -Entrepreneur -Export -Internal -OperatingUnit -Retail -Store 	<p><<Enumeration>> AccountStatus</p> <ul style="list-style-type: none"> -None -Active -Canceled -Expired -PendingActivation -Terminated 	<p><<Enumeration>> AddressType</p> <ul style="list-style-type: none"> -None -DefaultBilling -DefaultShipping -DefaultMailing -ShipTo 	<p><<Enumeration>> ItemMessageType</p> <ul style="list-style-type: none"> -AllowExtraTimeForDelivery -BackOrder -CustomerTypeRestriction -Discontinued -LocationRestriction -LocationRestrictionForQA -PromotionControlled -TemporarilyUnavailable -TemporarilyUnavailableForQA -WhileSuppliesLast 	<p><<Enumeration>> OrderStatus</p> <ul style="list-style-type: none"> -None -AwaitingPayment -Booked -Canceled -Completed -Entered -InShipping -OnHold -PartiallyShipped
--	---	---	---	--	---

Advanced REST client for Google Chrome (ARC) Export

Download/Install Advanced REST client for Google Chrome:

https://chrome.google.com/webstore/detail/advanced-rest-client/hgmloofddfdnphfgcellkdfbfjeloo/reviews?hl=en-US&utm_source=ARC

Natr eCommerce ARC Export File (import into ARC to run sample REST calls):

https://sandbox.naturessunshine.com/content/Shared/Natr_eCommerce_API_Resources/Natr_eCommerce_API-Sandbox-ARC_Export-Latest.json