## **Get Rates Method**

The first method available within the OrderCloud.io Shipping Rates integration is GetRates. This method will group together Line Items on an Order based on the Line Items’ *ShippingAddress* and the Line Item Products’ *ShipFromAddressID*, calculate the total weight of each shipment based on the included Products’ *ShipWeight*, and obtain shipping rate estimates from the carriers selected in your integration configuration.

As mentioned in the *Catalog Configuration*, Line Items will not be included in the shipping rate calculation for the following reasons:

* No *ShippingAddress* is set on the Line Item
* No *ShipFromAddressID* is set on the Product
* *ApplyShipping* is not set to *true* on the Product’s Price Schedule

Also, if a *ShipWeight* (in lbs.) is not set on a Product, a weight of *0* will be used when calculating rates, resulting in an inaccurate estimate.

### Get Rates Request

POST https://api.ordercloud.io/v1/integrationproxy/shippingrates HTTP/1.1

Authorization: bearer insert\_access\_token\_here

Content-Type: application/json; charset=UTF-8

{

"BuyerID": "...",

"TransactionType": "GetRates",

"OrderID": "..."

}

### Get Rates Response

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

{

"Shipments": [

{

"Weight": 10,

"ShipFromAddressID": "1234",

"ShipToAddressID": "2345",

"LineItemIDs": [

"1",

"2",

"3"

],

"Rates": [

{

"Price": 6

"Description": "UPS Standard"

},

{

"Price": 20

"Description": "UPS Next Day Air"

},

{

"Price": 5,

"Description": "USPS Priority"

},

{

"Price": 15,

"Description": "USPS First-Class"

}

]

}

]

}

### Error Handling

#### Validation Responses

In the case that a required field is missing from your request or there are any issues with your Order, the following response will be returned containing a unique ErrorCode and Message, as well as the request body sent during the call. The possible ErrorCodes and Messages are listed below.

HTTP/1.1 400 Bad Request

Content-Type: application/json

{

"ErrorCode": "...",

"Message": "...",

"Data": {

“...Request Body...”

}

}

|  |  |  |
| --- | --- | --- |
| **ErrorCode** | **Message** | **Status Code** |
| ShippingRatesValidation.BuyerIDRequired | BuyerID is required to get shipping rates. | 400 |
| ShippingRatesValidation.OrderIDRequired | OrderID is required to get shipping rates. | 400 |
| ShippingRatesValidation.LineItemsRequired | At least one line item is required to get shipping rates. | 400 |