

iDistributor Distribution API

Contents

Overview.....	3
v1/Auth/Login.....	4
v1/Auth/Logout.....	6
v1/Distribution/Distribute.....	7
v1/Distribution/DistributeBulk.....	10
v1/Distribution/UpdateEmail.....	13
v1/Distribution/RemoveDistributionsByRecipientID.....	15
v1/Distribution/RemoveDistributionsByEmail.....	17
v1/Distribution/List.....	19

Overview

iDistributor Distribution API allows customers to integrate iDistributor with their internal tools in order to send latest SDS documents for products they use, to their own customers.

API handles errors in two ways, sending them in response of HTTPS requests and sending emails to error report mailing group. When sent by email, errors will be sent only to addresses specifically set to receive errors. This mailing group will receive errors both from API, when distribution requests are made, and the system, when errors occur during processing of distribution requests.

It uses secure connection to iDistributor, through HTTPS and all requests should be issued with POST method. It is REST API and output response data is returned in JSON format, as explained for each endpoint in this document.

v1/Auth/Login

This endpoint is used to obtain login token which is used to access the rest of API.

An active login is stored in iDistributor database. The same token can be used several times to access the rest of API.

Subsequent logins return the same token, until explicitly logged out with Logout endpoint. The returned token never expires. We do, however, recommend logging in and out between each client session.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
customer_id	Yes		Identifies the customer/owner of iDistributor database. Provided by Intersolia
username	Yes		Identifies the user who has access to the customer database. Provided by Intersolia or created in iDistributor application.
password	Yes		Password set on the user by Intersolia or by customer in iDistributor application.

Example request

Method:
POST

URL:
https://ichemistry.intersolia.com/api/v1/Auth/Login/?customer_id=42&username=user&password=123

Success response

Reason	Status code	Message
User is authenticated	200 OK	authenticated: true
User is not authenticated	401 Unauthorized	authenticated: false

```
{"authenticated": "true", "token_id": "81D8170D-51F9-4121-85DC-DE1FC712842E"}
```

```
{"authenticated": "false"}
```

Error response

Reason	Status code	Error message
Username or password parameters are not set	400 Bad Request	empty-parameter
Customer ID (customer_id parameter) is not set	400 Bad Request	missing-parameter
Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id

```
{"authenticated": "false", "error_code": "empty-parameter"}
```

```
{"authenticated": "false", "error_code": "missing-parameter"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

v1/Auth/Logout

This endpoint is used to explicitly expire and remove an active login state by the client.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user

Example request

Method:

POST

URL:

https://ichemistry.intersolia.com/api/v1/Auth/Logout/?token_id=81D8170A-51F9-41F1-84DC-DE1FC712212E

Success response

200 OK

```
{"status": "ok"}
```

Error response

Reason	Status code	Error message
Token (token_id) is not set or it is empty	400 Bad Request	missing-parameter
Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id

```
{"status":"error", "error_code":"missing-parameter"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

v1/Distribution/Distribute

When customer wants to make new SDS distribution request, for single product, then this endpoint should be used. If all parameters are valid, distribution request will be stored in database, otherwise appropriate error will be thrown, both in response and optionally by email.

Then, successful distribution request will be processed and appropriate SDS document will be sent to recipient.

Errors occurring when processing request to send email with SDSs to recipients are handled by sending error report to configured email address. See separate table for list of that category of errors.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user

Request body parameters

Parameter	Required	Default	Description
art_no	Yes		Article number of requested product SDS document
country	Yes		ISO code for market SDS is needed for. It is used to decide in which language to send the document
delivery_id	Yes		Delivery identifier which will be used to group requested SDS documents. For example, order identifier from customer application or similar. It needs to be unique per request and duplicate will result in an error
recipient_id	Yes		Recipient identifier which can be later used to update its email address or remove distribution requests
email	Yes		Destination email address for requested SDS documents
allow_saving_empty_email	No		If set to true will allow saving the distribution request with empty email. This means that request will wait until future request with same recipient_id that have email set. Convenient if you want to control rollout of distribution via email field.

Example request

Method:

POST

Header:

```
{  
    Content-type: application/json  
}
```

Body:

```
{  
    "delivery_id": "test-1",  
    "country": "se",  
    "email": "test.user@intersolia.com",  
    "recipient_id": "666666",  
    "art_no": "12345-6789"  
}
```

URL:

https://ichemistry.intersolia.com/api/v1/Distribution/Distribute/?token_id=81D8170D-51F9-41F1-85DC-DE1FC712242E

Success response

200 OK

```
{"status": "ok"}
```

Error response

Reason	Status code	Error message
Token (token_id) is not set or it is empty	401 Unauthorized	unauthorized
Delivery (delivery_id) or Recipient (recipient_id) identifiers are not set	400 Bad Request	empty-parameter
Country, Email or Article number parameters are not set. Error email is sent to optional configured address to receive error reports.	400 Bad Request	empty-parameter
Email parameter is not in a proper format. Error email is sent to optional configured	400 Bad Request	malformed-email

address to receive error reports.		
Delivery identifier (delivery_id) is already used before. Error email is sent to optional configured address to receive error reports.	409 Conflict	delivery-id-already-used
Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id

```
{"status":"error","error_code":"unauthorized"}
```

```
{"status":"error","error_code":"empty-parameter"}
```

```
{"status":"error","error_code":"malformed-email"}
```

```
{"status":"error","error_code":"delivery-id-already-used"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

Errors sent in email messages

Description	Subject
System can't find any document language rules for requested market (country)	No rules for country
System can't find any documents that fulfill rules for requested market (country)	No documents matched the rules
System can't find requested product specified in distribution request	Missing product

v1/Distribution/DistributeBulk

When customer wants to make new SDS distribution requests, for multiple products in bulk, then this endpoint should be used. All requests made using this endpoint are per recipient. If all parameters are valid, distribution requests will be stored in database, per product, otherwise appropriate error will be thrown, both in response and optionally by email.

Then, successful distribution requests will be processed and appropriate SDS documents will be sent to recipient.

Errors occurring when processing request to send email with SDSs to recipients are handled by sending error report to configured email address. See separate table for list of that category of errors.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user

Request body parameters

Parameter	Required	Default	Description
art_no_list	Yes		List of article numbers of requested product SDS document
country	Yes		ISO code for market SDS is needed for. It is used to decide in which language to send the document
delivery_id	Yes		Delivery identifier which will be used to group requested SDS documents. For example, order identifier from customer application or similar. It needs to be unique per request and duplicate will result in an error
recipient_id	Yes		Recipient identifier which can be later used to update its email address or remove distribution requests
email	Yes		Destination email address for requested SDS documents
allow_saving_empty_email	No		If set to true will allow saving the distribution request with empty email. This means that request will wait until future request with same recipient_id that have email set. Convenient if you want to control rollout of distribution via email field.

Example request

Method:
POST

Header:
{
 Content-type: application/json
}

Body:
{
 "delivery_id": "test-123",
 "country": "se",
 "email": "test.user@intersolia.com",
 "recipient_id": "987",
 "art_no_list": ["12345-6789", "98765-4321", "11111-2222"]
}

URL:
https://ichemistry.intersolia.com/api/v1/Distribution/DistributeBulk/?token_id=81D8170D-51F9-41F1-85DC-DE1FC712242E

Success response

200 OK

```
{"status": "ok"}
```

Error response

Reason	Status code	Error message
Token (token_id) is not set or it is empty	401 Unauthorized	unauthorized
Delivery (delivery_id) or Recipient (recipient_id) identifiers are not set	400 Bad Request	empty-parameter
Language, Country or Email parameters are not set. Error email is sent to optional configured address to receive error reports.	400 Bad Request	empty-parameter

Email parameter is not in a proper format. Error email is sent to optional configured address to receive error reports.	400 Bad Request	malformed-email
Delivery identifier (delivery_id) is already used before. Error email is sent to optional configured address to receive error reports.	409 Conflict	delivery-id-already-used
Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id

```
{"status":"error","error_code":"unauthorized"}
```

```
{"status":"error","error_code":"empty-parameter"}
```

```
{"status":"error","error_code":"malformed-email"}
```

```
{"status":"error","error_code":"delivery-id-already-used"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

Errors sent in email messages

Description	Subject
System can't find any document language rules for requested market (country)	No rules for country
System can't find any documents that fulfill rules for requested market (country)	No documents matched the rules
System can't find requested product specified in distribution request	Missing product

v1/Distribution/UpdateEmail

Once made distribution requests will be used to send future updates when new SDS documents for products are published. In some cases, there is a need to change email address of recipient from distribution request. This endpoint should be used in those cases.

Customer should provide proper identifier for recipient they want to change email address for. If system finds recipient, based on identifier provided by customer, it will change his email address. If it is not found, an error will be thrown.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user
recipient_id	Yes		Recipient identifier whose email address should change
email	Yes		New email address for recipient

Example request

Method:
POST

URL:
https://ichemistry.intersolia.com/api/v1/Distribution/UpdateEmail/?token_id=81D8170D-51F9-41F1-85DC-DE1FC712242E&recipient_id=23005&email=foo@fubar.com

Success response

200 OK

```
{"status": "ok"}
```

Error response

Reason	Status code	Error message
Token (token_id) is not set or it is empty	401 Unauthorized	unauthorized
Recipient with requested identifier could not be found. Error email is sent to optional	404 Not Found	recipient-not-found

configured address to receive error reports.		
Email parameter is not in a proper format. Error email is sent to optional configured address to receive error reports.	400 Bad Request	email-address-bad-format
Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id

```
{"status":"error","error_code":"unauthorized"}
```

```
{"status":"error","error_code":"recipient-not-found"}
```

```
{"status":"error","error_code":"email-address-bad-format"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

v1/Distribution/RemoveDistributionsByRecipientID

Once made distribution requests will be used to send future updates when new SDS documents for products are published. In some cases, there is a need to remove distribution requests made for specific recipients. This endpoint should be used in those cases.

Customer should provide proper identifier for recipient they want to remove distribution requests for. If system finds recipient, based on identifier provided by customer, it will delete all distribution requests made for him. If it is not found, an error will be thrown.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user
recipient_id	Yes		Recipient identifier whose distribution requests should be removed

Example request

Method:
POST

URL:
https://ichemistry.intersolia.com/api/v1/Distribution/RemoveDistributionsByRecipientID/?token_id=81D8170D-51F9-41F1-85DC-DE1FC712242E&recipient_id=23005

Success response

200 OK

```
{"status": "ok"}
```

Error response

Reason	Status code	Error message
Token (token_id) is not set or it is empty	401 Unauthorized	unauthorized
Recipient with requested identifier could not be found. Error email is sent to optional configured address to receive error reports.	404 Not Found	recipient-not-found

Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id
---	---------------------------	----------

```
{"status":"error","error_code":"unauthorized"}
```

```
{"status":"error","error_code":"recipient-not-found"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

v1/Distribution/RemoveDistributionsByEmail

Once made distribution requests will be used to send future updates when new SDS documents for products are published. In some cases, there is a need to remove distribution requests made for specific recipients. This endpoint should be used in those cases.

Customer should provide proper email address of recipient for whom they want to remove distribution requests for. If system finds recipient, based on recipient email address provided by customer, it will delete all distribution requests made for him. If it is not found, an error will be thrown.

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user
recipient_id	Yes		Recipient identifier whose email address should change
email	Yes		Email address of recipient for whom system should remove distribution requests

Example request

Method:
POST

URL:
https://ichemistry.intersolia.com/api/v1/Distribution/RemoveDistributionsByEmail/?token_id=81D8170D-51F9-41F1-85DC-DE1FC712242E&email=foo@fubar.com

Success response

200 OK

```
{"status": "ok"}
```

Error response

Reason	Status code	Error message
Token (token_id) is not set or it is empty	401 Unauthorized	unauthorized
Recipient with requested identifier could not be found. Error email is sent to optional	404 Not Found	recipient-not-found

configured address to receive error reports.		
Email parameter is not in a proper format. Error email is sent to optional configured address to receive error reports.	400 Bad Request	email-address-bad-format
Internal error which is not handled by the system. All internal errors are logged in iDistributor system, and error_id is returned to requester, and it should be reported to Intersolia support.	500 Internal Server Error	error_id

```
{"status":"error","error_code":"unauthorized"}
```

```
{"status":"error","error_code":"recipient-not-found"}
```

```
{"status":"error","error_code":"email-address-bad-format"}
```

```
{"status": "error", "error_code": "internal-error", "error_id": error_id}
```

v1/Distribution/List

This endpoint returns latest 500 distribution requests made by customers.

It will return the following data, per distribution request:

- ArtNo – article number for requested product
- DeliveryId – delivery identifier for request
- Language – usually empty property. **It is not in use.**
- Country – market for which distribution request is made
- DateRequested – date and time when distribution request is made
- DateSent – date and time when distribution request is processed
- RecipientId – recipient identifier for distribution request
- Email – email address of recipient

Uses POST method.

URL parameters

Parameter	Required	Default	Description
token_id	Yes		Token of authenticated user

Example request

Method:
POST

URL:
https://ichemistry.intersolia.com/api/v1/Distribution/List/?token_id=81D8170D-51F9-41F1-85DC-DE1FC712242E

Success response

200 OK

```
{
  "Requests": [
    {
      "ArtNo": "98765-4321",
      "DeliveryId": "1234",
      "Language": "en",
      "Country": "",
      "DateRequested": "2017-06-25 18:00:26.000",
      "DateSent": "2017-06-25 18:00:57.000",
```

```
"RecipientId":"666",  
"Email":"test.user@intersolia.com"  
},  
{  
  "ArtNo":"98765-4321",  
  "DeliveryId":"12345",  
  "Language":"en",  
  "Country":"","  
  "DateRequested":"2017-06-25 18:00:26.000",  
  "DateSent":"2017-06-25 18:00:57.000",  
  "RecipientId":"6667",  
  "Email":"test.user@intersolia.com"  
}  
]  
}
```