



Nichols Paper & Supply (Network Services Member)

Data Synchronization Implementation Guide

Version 1



REVISION HISTORY

Date	Ver #	Description of Change	Author
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TABLE OF CONTENTS

1 NICHOLS PAPER & SUPPLY DATA SYNCHRONIZATION INFORMATION 4
1.1 Primary Data Synchronization Contacts 4
1.2 NICHOLS PAPER & SUPPLY Company GLN - Publish To 4

2 STEPS TO BEGIN SYNCING YOUR DATA WITH NICHOLS PAPER & SUPPLY..... 5

3 GDSN AND NETWORK SERVICES ATTRIBUTE REQUIREMENTS .. 6
3.1 Introduction..... 6



1 NICHOLS PAPER & SUPPLY DATA SYNCHRONIZATION INFORMATION

Founded in 1936, Nichols is one of the largest independent paper, packaging and sanitary supply distributors in the Great Lakes region. For decades, we have been providing products that clean, protect and package for the industrial, education, healthcare, building service and hospitality markets. Our focus on You First is deep rooted and is a key contributor to our success in business. We listen to our customers to understand their needs and work to provide not only products but programs and services that are relevant to their profitability and success.

Nichols Paper & Supply is excited to inform their customers about efforts to increase customer satisfaction. Nichols Paper & Supply endorses GS1 Standards and has partnered with 1WorldSync to help synchronize data with their trading partners. As a next step in this initiative, Nichols Paper & Supply is asking suppliers to start synchronizing their product data via the GDSN. Please review the information in this document to learn how to send product information via the GDSN.

1.1 Primary Data Synchronization Contacts

Name: Theresa Bearb
Phone: 609-213-8894
Email: tbearb@1worldsync.com

1.2 NICHOLS PAPER & SUPPLY Company GLN - Publish To

Production: 0830573000004

Nichols Paper & Supply's GDSN data pool is 1WorldSync.



2 STEPS TO BEGIN SYNCING YOUR DATA WITH NICHOLS PAPER & SUPPLY

1. Review the attribute requirements in Section 3 of this document to ensure you can meet our requirements
2. Please complete the **Trading Partner Form** found [here](#)
 - a. Select Nichols Paper & Supply as your trading partner
 - b. Select all other distributors that you do business with
 - c. Additional information on how to publish to multiple distributors can be found at [Network Services member list](#)
3. Nichols Paper & Supply will create a subscription for your information provider GLN and Target Market U.S.
4. Nichols Paper & Supply will send an email notification to the supplier's primary data synchronization contact when they are ready to receive the first publication
5. Publish as **Initial Load** to Nichols Paper & Supply GLN of **0830573000004**
6. Nichols Paper & Supply will use the Catalogue Item Confirmation (CIC) message as follows:
 - a. A CIC with the state of "ACCEPT" will automatically be sent when publication is received
 - b. At this time Nichols Paper & Supply is sending only "ACCEPT" CIC messages
7. Suppliers should continue to send changes and corrections for all items synchronized with Nichols Paper & Supply



3 GDSN AND NETWORK SERVICES ATTRIBUTE REQUIREMENTS

3.1 Introduction

Below is the list of GDSN required attributes for all GTINs transmitted to Nichols Paper & Supply.

GDSN XML Attribute Name	Definition of GDSN XML Attribute	(R)equir ed/(O)pt ional	Notes for Attributes
GTIN	14-digit number used to identify item	R	14-Digit GTIN number
gtinName	Description of item as appears on package	R	Item as it appears on packaging
tradeItemDescription	An understandable and usable description of the item	R	An understandable and useable description of a trade item using brand and other descriptors. Populate this attribute with as little abbreviation as possible while keeping to a reasonable length.
AdditionalDescription	Free text field used to record additional product attributes. Use for any additional information necessary to communicate to the industry to help define the product	R	
productType	Hierarchical level of item	R	
grossWeight	Gross weight of the item	R	
barcodeType	BarcodeType of the item	R	
grossWeightUOM	Gross weight of the item Unit of Measure	R	
netWeight	Net weight of the item	R	
netWeightUOM	Net weight of the item Unit of Measure	R	
volume	Net volume of the item	R	
VolumeUOM	Net volume of the item Unit of Measure	R	
netContent	Amount of item contained by a package	R	
netContentUOM	Amount of item contained by a package Unit of Measure	R	
depth	Measurement, front to back of the item	R	
depthUOM	Measurement, front to back of the item Unit of Measure	R	
height	Measurement, vertical dimensions of the item	R	



NICHOLS Nichols Paper & Supply Data Synchronization Implementation Guide

heightUOM	Measurement, vertical dimensions of the item Unit of Measure	R	
width	Measurement, left to right of the item	R	
widthUOM	Measurement, left to right of the item Unit of Measure	R	
eanuccCode	EAN or UPC Code Number of item	R	
eanuccType	GS1 data structure of EANUCC Code number	R	
additionalTradeItemIdentificationValue	An alternate item number. For example for an internal manufacturing number.	R	
additionalTradeItemIdentificationType	Required if additionalTradeItemIdentificationValue is populated. Alternate maintenance agency. Refer to GDSN standard valid value list	R	
nameOfManufacturer	Name of the manufacture of the item	R	
tradeItemCountryOfOrigin	The country code in which the goods have been produced or manufactured, according to criteria established for the purposes of application of the value may or may not be presented on the trade item label	R	
brandOwner	GLN of the Owner of the Brand	R	
brandOwnerName	Name of the organization owning the Brand	R	
brandName	Brand name for the item	R	
functionalName	Functional Name of the item (describes the use of the item)	R	
additionalClassificationAgencyName	Prefer UNSPSC	R	Prefer UNSPSC
additionalClassificationCategoryCode	Prefer UNSPSC	R	Prefer UNSPSC
totalUnitsPerCase	This attribute provides a vehicle for communicating the total subunits contained within a case. Global/TM IM GUI Tab M/O/D Type/Size Occurrence L	R	