



# **Kroger Modernized systems - EDI852 Product Activity Data**

**X12/UCS/V5010/852 : 852 Product Activity Data**

**Version: 1.0**

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# Notes

Sender ISA ID : KROGER  
Sender ISA Qualifier : ZZ  
Sender GS ID : KROGER

"The product activity data is created at approximately 05:00 a.m. EST daily, and a current day date is sent on for the reporting and effective dates."

# 852 Product Activity Data

## Functional Group=PD

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

### Data Sample:

*XQ\*G\*20220201~  
 N9\*IA\*12345~  
 N1\*ST\*Kroger Ralphs Riverside\*9\*0381769211001~  
 N3\*1500 EASTRIDGE AVE.~  
 N4\*Riverside\*CA\*92507~  
 LIN\*1\*UK\*00073170412140\*PI\*100542189\*PD\*Elpato hot tamato Sauce~  
 ZA\*QC\*138\*CA\*007\*20220201~  
 ZA\*QA\*0\*CA\*007\*20220201~  
 ZA\*QP\*216\*CA\*007\*20220201~  
 ZA\*QO\*0\*CA\*007\*20220201~  
 ZA\*QW\*0\*CA\*007\*20220201~  
 LIN\*2\*UK\*10011110039719\*PI\*102193631\*PD\*Elpato tmto sce wjalapno~  
 ZA\*QC\*0\*CA\*007\*20220201~  
 ZA\*QA\*15\*CA\*007\*20220201~  
 ZA\*QP\*20\*CA\*007\*20220201~  
 ZA\*QO\*0\*CA\*007\*20220201~  
 ZA\*QW\*0\*CA\*007\*20220201~  
 CTT\*02~*

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0200	XQ	Reporting Date/Action	M	1			Must use
0400	N9	Extended Reference Information	O	>1			Used

<u>LOOP ID - N1</u>			<u>200</u>	<u>N1/0600L</u>			
0600	N1	Party Identification	O	1			Used
0800	N3	Party Location	O	2			Used
0900	N4	Geographic Location	O	1			Used

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - LIN</u>					<u>999999</u>		
0100	LIN	Item Identification	O	1			Used
<u>LOOP ID - ZA</u>					<u>&gt;1</u>	<u>N2/0800L</u>	
0800	ZA	Product Activity Reporting	M	1			Must use

### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	CTT	Transaction Totals	0	1		N3/0100	Used

# XQ Reporting Date/Action

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To specify reporting dates, actions to be taken and an identifying number

## Data Sample:

XQ\*G\*20220201~

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
XQ01	305	Transaction Handling Code	M	ID	1/2	Must use
<b>Description:</b> Code designating the action to be taken by all parties <b>All valid standard codes are used.</b>						
XQ02	373	Date	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						

## Semantics:

1. XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
2. XQ04 is a unique report identifier assigned by the sender.

# N9 Extended Reference Information

Pos: 0400	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## Data Sample:

*N9\*IA\*123456~*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used.</b>				
N902	127	<b>Reference Identification</b>	X	AN	1/50	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text				

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

# N1 Party Identification

Pos: 0600	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Data Sample:

*N1\*ST\*Kroger Ralphs Riverside\*9\*0381769211001~*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>All valid standard codes are used.</b>				
N102	93	<b>Name</b>	X	AN	1/60	Used
		<b>Description:</b> Free-form name				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>All valid standard codes are used.</b>				
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

# N3 Party Location

Pos: 0800	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## Data Sample:

*N3\*1500 EASTRIDGE AVE.~*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				



# N4 Geographic Location

Pos: 0900	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Data Sample:

*N4\*Riverside\*CA\*92507~*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

# LIN Item Identification

Pos: 0100	Max: 1
Detail - Optional	
Loop: LIN	Elements: 7

**User Option (Usage):** Used

**Purpose:** To specify basic item identification data

## Data Sample:

*LIN\*1\*UK\*00073170412140\*PI\*100542189\*PD\*Elpato hot tamato Sauce~*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u> <u>Name</u></b>				
		UK GTIN 14-digit Data Structure				
		UP UCC - 12				
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
LIN04	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u> <u>Name</u></b>				
		PI Purchaser's Item Code				
LIN05	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN06	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u> <u>Name</u></b>				
		PD Part Number Description				
LIN07	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

## Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.

6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

**Semantics:**

1. LIN01 is the line item identification

# ZA Product Activity Reporting

Pos: 0800	Max: 1
Detail - Mandatory	
Loop: ZA	Elements: 5

**User Option (Usage):** Must use

**Purpose:** To provide activity details concerning product being reported

## Data Sample:

ZA\*QC\*138\*CA\*007\*20220201~  
 ZA\*QA\*0\*CA\*007\*20220201~  
 ZA\*QP\*216\*CA\*007\*20220201~  
 ZA\*QO\*0\*CA\*007\*20220201~  
 ZA\*QW\*0\*CA\*007\*20220201~

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ZA01	859	Activity Code	M	ID	2/2	Must use

**Description:** Code identifying activity details for the product being reported

### Code Name

QA Current Inventory Quantity Available for Shipment or Sale  
 QC Quantity Committed  
 QO Quantity Out of Stock  
 QP Quantity On Order, Not Yet Received  
 QW Quantity Withdrawn from Warehouse Inventory

ZA02	380	Quantity	X	R	1/15	Used
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**Description:** Numeric value of quantity

ZA03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

### Code Name

CA Case  
 EA Each

ZA04	374	Date/Time Qualifier	X	ID	3/3	Used
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**Description:** Code specifying type of date or time, or both date and time

**All valid standard codes are used.**

ZA05	373	Date	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Syntax Rules:

1. P0203 - If either ZA02 or ZA03 is present, then the other is required.
2. P0405 - If either ZA04 or ZA05 is present, then the other is required.
3. P0607 - If either ZA06 or ZA07 is present, then the other is required.

## Semantics:

1. ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## Data Sample:

*CTT\*02~*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

**Description:** Total number of line items in the transaction set

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.