

ROUDIS NATIONAL

PRODUCT DATA SHEET

◆ THE PRODUCT

ROUDIS National contains distribution indicators (postal delivery routes) for municipalities across France. This information is extracted from the production database of La Poste. The database is continuously updated.

ROUDIS National includes 2.1 million records for municipalities served by the postal organization.

◆ THE OFFER

ROUDIS National is formatted according to standard 38, based on the normalization rules described in NF Z10-011.

ROUDIS National is produced monthly and is available at the beginning of each month as a complete, updated version.

◆ THE PRINCIPLE

ROUDIS National facilitates the assignment of postal distribution indicators as defined in Press contracts. The main scenarios for assigning these indicators include:

- Address in a municipality served by only one postman
- Indicator for the postal code and delivery designation of the municipality (Line 6)
- Address with unique "type of lane + last word of lane" within the municipality
- Indicator for the type of lane and the last word of the lane (Line 4)
- Address with non-unique "type of lane + last word of lane" within the municipality
- Indicator for the lane label (Line 4)
- Address with lane divided into multiple postal zones (postman rounds)
- Indicator for the section of lane defined by its boundaries (Line 4)
- Indicator for the designation of Line 5 (former municipality), which helps identify the correct postal zone (QL - Postal Zone) in the case of homonymous lanes.

Updates may involve:

- Partial or complete reorganization of postal delivery, resulting in new divisions for delivery sectors and zones.
- Urban renovation projects or city expansions at the outskirts that lead to the creation or removal of lanes.

◆ THE FILES

Each file has the following characteristics:

- Size of approximately 180 MB
- Fixed-length records, each 148 characters long, in standard 38 format (excluding end-of-line and end-of-file characters).

Each file contains 3 types of logical records:

- "Prefix" record: File header
- "Locality" record: Municipalities and hamlets
- "Lane" record

Sorting criteria:

- "Locality" record: INSEE code of the locality, postal code (CP), delivery office indicator...
- "Lane" record: INSEE code of the locality, postal code (CP), split indicator, ROUDIS National ID...

Legend:

NN Size: File in New Standard 38

Zone with * indicates fields updated in revision files

Details of the ROUDIS National File

1. Logical Record "Prefix"

Zone	Description	NN Size	Value
1	Filler	5	00000
2	Creation date	10	dd-mm-yy
3	File name	34	
4	Version number	4	YYMM

2. Logical record "Locality"

Zone	Description	NN Size	Value
1	INSEE code of the municipality	5	
2	Filler	5	00000
3	Distribution office indicator	2	00,01...
4	Filler	26	
5	Delivery label	32	
6	Filler	0	
7	Automated sorting indicator	1	T or blank
8	Filler	19	
9	Postcode	5	
10	Filler	4	

11	Municipality distribution indicator	4	
12*	Update code	1	I/A/R
13	Filler	3	

3. Logical record "Street"

Zone	Description	NN Size	Value
1	INSEE code of the municipality	5	
2	ROUDIS National ID number	5	
3	Split indicator	2	
4	Filler	1	
5	Last element of the lane	20	
6	Abbreviated lane type	4	
7	Standardization indicator	1	* if std
8	Lane label	32	type ou street
9	Lower odd boundary + extension	4	
10	Filler	1	
11	Upper odd boundary + extension	4	
12	Filler	1	
13	Lower even boundary + extension	4	
14	Filler	1	
15	Upper even boundary + extension	4	
16	Filler	1	
17	Postcode	5	
18	Distribution indicator	4	
19	Distribution Typing	1	
20	Filler	3	
21*	Update code	1	I,R, A
22	Address zone identifier	6	Taken from HEXAPOSTE
23	Former municipality label	38	Taken from HEXAPOSTE

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◆ DATA CONTAINED IN ROUDIS NATIONAL

INSEE CODE OF THE MUNICIPALITY (5 alphanumeric characters): This is the identification number assigned by INSEE.

Examples:

- The INSEE code for TOULOUSE is 31555
- The INSEE code for CORTE is 2B096
- The INSEE code for the 1st arrondissement of PARIS is 75101

DISTRIBUTION OFFICE INDICATOR (2 alphanumeric characters): This is a counter specific to each distribution office within the municipality.

DELIVERY LABEL (32 alphanumeric characters): This field contains the standardized delivery label of the locality (municipality or hamlet), limited to 32 characters. Terms such as 'SAINT' and 'SAINTE' are systematically abbreviated to 'ST' and 'STE'.

AUTOMATED SORTING INDICATOR (1 alphanumeric character): This field indicates whether the municipality is serviced by automated sorting (TDM).

(Blank) = Municipality not using automated sorting

T = Municipality using automated sorting

POSTAL CODE (5 numeric characters): This field contains the postal code corresponding to the delivery label of the locality. The postal code may identify one or more localities.

MUNICIPALITY DISTRIBUTION INDICATOR (4 numeric characters): This field specifies the sector and delivery zone for municipalities served by a single postman.

ROUDIS NATIONAL IDENTIFIER (5 numeric characters): This counter uniquely identifies the lane within the municipality. It remains constant.

SPLIT INDICATOR (2 numeric characters): This field specifies the nature of the lane in terms of delivery. It reflects the 2 following cases:

- Lane served by a single postman
- Lane divided into multiple postal zones (numbers ranging from 01 to 99) with boundaries identifying specific zones in the lane label.

LAST ELEMENT OF THE LANE (20 alphanumeric characters): This field contains the last sequence of alphanumeric characters in the lane label.

ABBREVIATED LANE TYPE (4 alphanumeric characters): The lane type is the first word or group of words in the lane label. It may be simple (e.g., "RUE") or composite (e.g., "GRAND RUE").

- Abbreviations follow NF Z 10-011 standards.

STANDARDIZATION INDICATOR (1 numeric character): This field specifies whether the lane name has been abbreviated. An abbreviated name fits within the character limits for address lines (38 characters).

- 1 = Abbreviated; the lane name exceeds 38 characters and has been shortened.
- 0 = The lane name is 32 characters or fewer and does not require abbreviation.

LANE LABEL (32 alphanumeric characters): This field contains the complete lane designation only when the type of lane and the final element of the lane are not unique within the locality. In such cases, it includes:

- The type of lane (e.g., rue, impasse, etc.)
- The name of the lane. Otherwise, the field contains only the full type of lane.

LOWER ODD-BOUNDARY (4 alphanumeric characters): This field specifies the lower odd-number boundary for lane segments with a split indicator different from "00" (split lanes). The extension of the number can be:

- Either an abbreviation such as Bis, Ter, Quater, Quinquies (B, T, Q, C);
- Or a letter (A, B, C, D, etc.) when this character supplements the lane number.

No blank separates the numeric part from the alphabetical part of the lane number (e.g., 125B, not 125 B).

UPPER ODD-BOUNDARY (4 alphanumeric characters): This field specifies the upper odd-number boundary of the split lane segment.

LOWER EVEN-BOUNDARY (4 alphanumeric characters): This field specifies the lower even-number boundary of the split lane segment.

UPPER EVEN-BOUNDARY (4 alphanumeric characters): This field specifies the upper even-number boundary of the split lane segment.

DISTRIBUTION INDICATOR (4 numeric characters): This field contains the distribution indicator (postal zone assigned to a postman), consisting of four numeric characters. The first two identify the sector or group, while the last two specify the delivery zone.

DISTRIBUTION TYPING (1 alphanumeric character): Additional distribution characteristic.

UPDATE CODE (1 alphanumeric character):

- I = Insertion of a new record
- R = Replacement of an existing record
- A = Deletion of a record

Update Key

"Locality" record: INSEE code of the municipality, distribution office indicator

"Street" record: INSEE code of the locality, ROUDIS National ID, split indicator

ADDRESS ZONE IDENTIFIER (6 numeric characters): A unique and invariant identifier that encodes Line 5 + Postal Code + Line 6.

FORMER MUNICIPALITY LABEL: For household postal codes, this is the designation expected on Line 5, which typically corresponds to the name of the former municipality (common in cases of municipal mergers).

If the municipality is not the localization of the new municipality and its name is not included in the Line 6 designation (name of the new municipality), the name of the former municipality is indicated in Line 5.

◆ ADDITIONAL PRODUCTS

- Address Validation Range

HEXAPOSTE: Reference for postal codes and Cedex in France

HEXAVIA: Reference for lanes in France

HEXACLE: Reference for lane numbers

HEXALIGNE3: Reference for address additions

CEDEXA: Reference for Cedex addresses of businesses

HEXACLE GEOLOCALIZED: Reference for geocoded addresses

- Press Routing Range

ROUDIS National: Distribution indicators for Press routing

Press Routing: Central hubs for Press routing

International Routing: Exchange offices for international Press routing

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