

SUBJECT 16

SUBJECT 16: Insulators

Re: Insulators

Contact: Adam Mercer

FCDC@nmfta.org

Proponent: Freight Classification Development Center

Quick View

The Quick View feature is not intended to replace contextual information within this document. To understand the potential impact of the recommended changes shown here, please read the full proposal.

Subject 16: Insulators

Quick View: Five items subject to the Insulators generic heading would be canceled with reference to a new item naming “Insulators,” which would provide a “viz.” format, and classes predicated on the FCDC’s standard 13-subprovision density scale.

- Item 103660 canceled with reference to two new items
- Two Notes canceled and reestablished attendant to a new item
- Note, item 103746 canceled with no further application
- Generic heading, item 103600, amended to read “Insulators Group”

Transportation Characteristics Present:

- Handling ☐Yes ☒No Stowability ☐Yes ☒No Liability ☐Yes ☒No Density ☒Yes ☐No

Provisions based on:

- FCDC’s 13-subprovision density scale

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Present Classification Provisions

Item	Description	Class
103600	INSULATORS:	
103660	Electric Wire or Wiring , NOI, see Note, item 103662, in boxes:	
Sub 1	Glass, in liquid in inner containers.....	500
Sub 2	Glass, see Note, item 103663, pottery or pottery and iron or aluminum combined, or iron parts thereof, also in Package 1159.....	60
Sub 3	Pottery and brass, bronze or copper combined; composition and brass, bronze, copper or aluminum combined; or composition.....	77.5
Sub 4	Pottery and brass, bronze or copper and iron combined or composition and iron combined.....	70
103662	NOTE—The term 'wiring' as used in this entry is embrative of insulators for electric wires, bus bar systems or other electrical systems that require insulators in various forms or shapes which are not more specifically named.	
103663	NOTE—Does not apply on glass insulators packaged in liquid in inner containers.	
103745	Electric Wire or Wiring , post type, see Note, item 103662, silica and resin composition, with metal inserts, see Note, item 103746, in boxes	55
103746	NOTE—Applies only when silica content exceeds 75 percent of the total weight of the composition.	
103750	Joint , iron, brass, mica and insulating composition combined, in boxes or drums	70
103760	Spark Plug , glass or pottery or glass or pottery and metal combined, in boxes	70
103770	Strain , wood and steel combined, in packages.....	50
103780	Strain , NOI, in packages.....	70

Proposed Classification Provisions

Item	Description	Class
103600	INSULATORS ⇒GROUP:	
103660	Electric Wire or Wiring , NOI, etc	⇒Cancel; see items A-NEW and B-NEW
103662	NOTE—⇒Cancel; see item C-NEW	
103663	NOTE—⇒Cancel; see item D-NEW	
103745	Electric Wire or Wiring , post type, see Note, item 103662, silica and resin composition, with metal inserts, etc	⇒Cancel; see item B-NEW
103746	NOTE—⇒Cancel; no further application.	

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Proposed Classification Provisions—Concluded

Item	Description	Class
	INSULATORS: subject to item 103600	
103750	Joint , iron, brass, mica and insulating composition combined, etc	⇒Cancel; see item B-NEW
103760	Spark Plug , glass or pottery or glass or pottery and metal combined, etc	⇒Cancel; see item B-NEW
103770	Strain , wood and steel combined, etc.....	⇒Cancel; see item B-NEW
103780	Strain , NOI, etc	⇒Cancel; see item B-NEW
⇒A-NEW	 Electric Wire or Wiring , glass, in liquid in inner containers, in boxes	500
⇒B-NEW	Insulators, viz.:	
	Electric Wire or Wiring , NOI, see Notes, items C-NEW and D-NEW, in boxes or crates or on reels;	
	Joint , in boxes;	
	Spark Plug , in boxes;	
	Strain , NOI, in packages;	
	Subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 but less than 35	60
Sub 12	35 but less than 50	55
Sub 13	50 or greater	50
⇒C-NEW	NOTE—The term 'wiring' as used in this entry is embrative of insulators for electric wires, bus bar systems or other electrical systems that require insulators in various forms or shapes which are not more specifically named.	
⇒D-NEW	NOTE—Does not apply on glass insulators packaged in liquid in inner containers. For applicable provisions, see item A-NEW.	

SUBJECT 16**Analysis****Introduction**

Six items related to various types of insulators, as shown in the Present Classification Provisions herein, name specific commodities that can be difficult to interpret, apply, or verify.

Transportation Characteristics

Handling, Stowability, and Liability—Except for glass insulators packaged in liquid in inner containers, there have been no reports of unusual or significant handling, stowability, or liability issues. Therefore, density has been identified as the primary transportation characteristic.

Conclusion

Based on the foregoing analysis, five items subject to the Insulators generic heading would be canceled with reference to a new item, naming “Insulators,” which would provide a “viz.” format, and classes predicated on the FCDC’s standard 13-subprovision density scale¹⁸. Notes, items 103662 and 103663 would be canceled and reestablished to clarify the application of the new item. Additionally, the generic heading, item 103600, would be amended to read “Insulators Group.”

Concurrently, item 103660 would be canceled with reference to both the new “Insulators” item and an additional new item that would name “Electric Wire or Wiring, glass, in liquid in inner containers,” and provide class 500. The “” symbol would be added to the latter new item as well.

Note, item 103746 would be canceled with no further application.

The FCDC’s Lead Classification and Packaging Analyst has reviewed the proposed minimum packaging requirements and determined they are appropriate for the LTL environment.

¹⁸ The FCDC’s standard 13-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.