

# **HAZMAT 2021**

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# Agenda

### Hazardous, Restricted, Perishable

- Mailability
- · Hazardous Material Warning Labels and Markings
- Lithium Batteries

### Updates

- ORM-D
- Label Placement
- ENDS

### Hazmat Approvals

Resources



### Hazardous

#### Is it Hazardous?

A hazardous material is any article or substance designated by the U.S. Department of Transportation as being capable of posing an unreasonable risk to health, safety, or property during transportation.

#### Hazard Classes

- Class 1 Explosives model rockets, safety fuse
- Class 2 Gas aerosols, carbonated cylinders
- Class 3 Flammable Liquid perfume, hand-sanitizer
- Class 4 Flammable Solid safety matches
- Class 5 Oxidizers peroxides, pool chemicals,
- Class 6 Toxic & Infectious Substance drugs, Sharps, Patient Specimens
- Class 7 Radioactive- instruments
- Class 8 Corrosives cleaning products, wet-spilled battery, mercury
- Class 9 Misc. lithium battery, dry ice, magnets,...

### **Provide Safety Data Sheets (SDS)**





### Restricted

#### Is it Restricted?

Restricted matter includes articles on which mailing restrictions have been imposed for reasons other than risk of harm to persons or property involved in moving the mail.

- Controlled Substance (Drug Mail-Back)
- Firearms
- Cigarettes
- Powders (e.g., Cremated Remains)









### Perishable

#### Is it Perishable?

Perishable matter is anything that can deteriorate in the mail and thereby lose value, create a health hazard, or cause an obnoxious odor, nuisance, or disturbance, under ordinary mailing conditions.

- Live Animals Adult Birds, Day- Old Poultry, Bees
  - Warm-blooded (Nonmailable)
  - Plants
  - Food









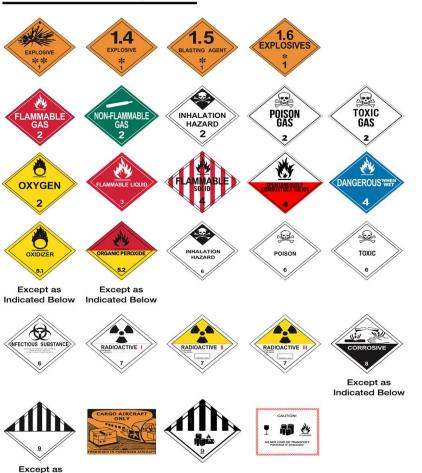
Indicated Below

# Labels and Markings

#### **DOT Hazardous Materials Warning Labels: PROHIBITED IN THE MAIL**



#### Nonmailable Warning Labels







# Labels and Markings



#### Mailable HAZMAT Warning Labels





**Biological Substance** 

Category B







Regulated Medical Waste



**Excepted Quantity Labels** 









#### **Mailable Limited Quantities Only Warning Labels**











Must only be used in conjunction with DOT limited-quantity markings and only when permitted for the applicable hazard class.



### **Lithium Batteries**

#### Most common mailed hazardous material

#### Regulated based on:

- What is the battery content?
  - Lithium metal (non-rechargeable)
  - Lithium ion (rechargeable)
- What is the battery type?
  - Very small/button cell
  - · Cell (single cell)
  - Battery (multi-cell)









- How is the battery packaged?
  - Separate
  - In Equipment
  - With Equipment

#### Battery content and type:

- User's manuals
- Manufacturer packaging
- Printed on battery
- Safety Data Sheet (SDS)



### **Lithium Batteries**



#### **Lithium Metal or Lithium Alloy Battery**



Small *nonchargeable* consumer-type batteries

#### **Domestic**

Combined in (properly installed in equipment) 8 cells or 2 batteries Package cannot exceed 11 pounds

Packed with equipment but not installed in the equipment

8 cells or 2 batteries

Package cannot exceed 11 pounds

Without the equipment they operate (individual batteries in original sealed manufacturer's packaging)

Package cannot exceed 5 pounds (Surface Mail Only)

#### International

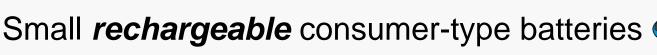
Combined in (properly Installed in equipment) 4 cells or 2 batteries Cannot contain more than 1.0g lithium content per cell or more than 2.0g aggregate lithium content per battery



### **Lithium Batteries**



#### **Lithium-ion or Lithium Polymer Battery**





#### **Domestic**

**Combined in** (properly installed in equipment) 8 cells or 2 batteries **Packed with equipment** but not installed in the equipment

8 cells or 2 batteries

Without the equipment they operate (individual batteries in original sealed manufacturer's packaging)

8 cells or 2 batteries (Air or Surface Mail)

#### International

Combined in (properly Installed in equipment) 4 cells or 2 batteries

Must not exceed 20 Watt-hours (Wh) per cell

Must not exceed 100 Watt-hours (Wh) per battery



December 31, 2020

ORM-D Category eliminated by Department of Transportation

Label is replaced by Limited Quantity (surface) label

#### Specific to surface Transportation

- Material presents limited hazard/Smaller Quantity
- Intended for consumer use
- Includes certain (not all) hazardous materials

#### **ORM-D Obsolete**

ORM-D (Other Regulated Material)









#### **Label Placement**

Option - Allow mailers to affix or print labels on the sides of the package when there is insufficient space on the address side.

Reduced Size markings - Certain hazard marks
Limited Quantity Mark of 50mm (1.97 inches)
maybe applied

only when the package size requires a reduces size marking





# ENDS



The COVID-19 Relief bill included "Preventing Online Sales of E-Cigarettes to Children Act



USPS must include Electronic Nicotine Delivery Systems (ENDS) into regulations



120 days from enactment date



## Electronic Nicotine Delivery Systems (ENDS)



02/19/21-Proposed Rule



03/22/21- End of 30-day comment period



Received 15,800 comments





# **ENDS**



Include ENDS (as defined in the law) to the prohibitions on cigarettes and smokeless tobacco



Reviewing comments and assessing ENDS exceptions in relation to existing tobacco products exceptions.





# **ENDS**



04/26/21 - Effective upon publication of final rule



**ENDS Exception Application FRN** 



# **Hazmat Approval**

- PCSC Pricing Classification Service Center
  - Initial Mailability Rulings
  - Lighter and Cigarettes/Smokeless Tobacco Approvals
- HQ Product Classification
  - HAZMAT Authorizations
    - Special Ethanol Based Beauty Products
    - Required UN3373, Sharps, Bird Boxes, Drug Mailback…
  - HAZMAT Exceptions
    - Marking
    - Packaging
    - Mixed hazard classes
    - Increased quantities
    - DOT Special Permits





# **HAZMAT Approval**

# Hand Sanitizer Special Approval Process



Temporary process allowed 1-4 gallons or 11-33 pounds of hand sanitizing materials per mailpiece March 2020 – October 2020

Permanent process allowed 1liter up to 15 liters or 2.2-33 pounds of hand sanitizing materials per mailpiece



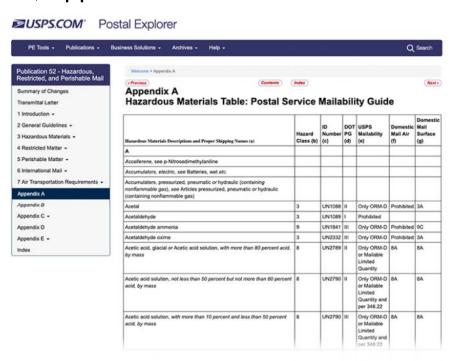
Processed 803 temporary approvals and 471 permanent, totaling over 1274 approvals to date.



### Resources

#### Publication 52 - Hazardous, Restricted, and Perishable Mail Manual

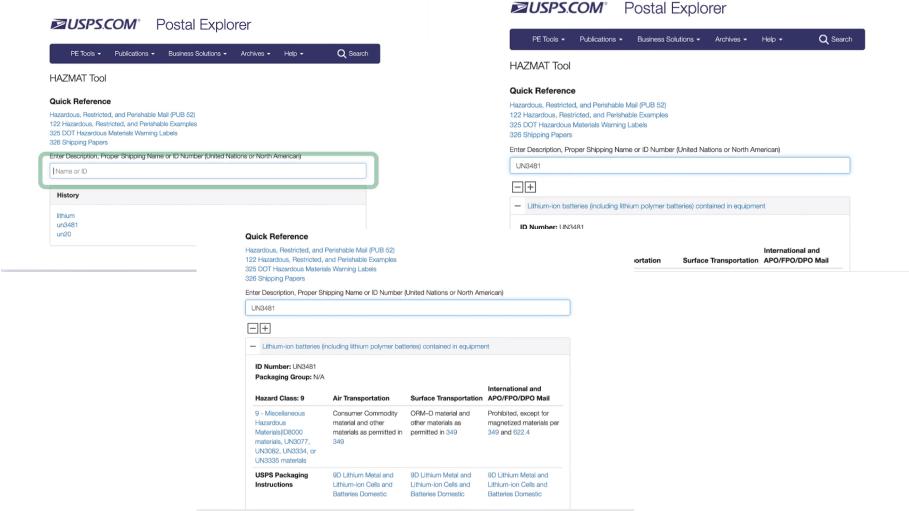
- •Primary source of Postal Service mailing standards of hazardous materials within Postal Service networks. (Pub 52 is incorporated by reference into 39 CFR)
- •A table of common hazardous materials and their general mailability can be found in Publication 52, Appendix A.





### Resources

## **Determining Product's Mailability**HAZMAT Pub Search Tool





### Resources

Shipping undeclared or improperly packaged hazardous materials (**HAZMAT**) can cause serious safety consequences for postal employees, postal facilities, emergency responders and the general public.

#### There are four basic steps to ship hazardous materials safely:

**Step 1:** Find the safety data sheet.



**Step 2:** Find packaging instructions.

- Required Packaging
- Cushioning Material and Secondary Packaging
- Outer Packaging



**Step 3:** Follow markings and labeling requirements.



**Step 4:** Package, label and ship products.





### **Quiz Time**

- Name the USPS Publication for Hazardous, Restricted, and Perishable Mail
  - o Pub 286
  - o Pub 007
  - o Pub 52
  - None of the above
- Product Classification processed more than 1,200 exception request for hand sanitizer
  - True
  - False
- As a small mailer, I don't need to worry about hazardous materials
  - True
  - False
- Lithium batteries are considered hazardous to aviation
  - True
  - False
- Matches (strike anywhere) are mailable
  - o True
  - False
- A pistol that I sold online can be shipped through the USPS?
  - True
  - False



# QUESTIONS?