From:	<u>Mills, Matt [US] (SP)</u>
То:	Chambers, Casey (PHMSA); Cragun, Brad [US] (SP)
Subject:	RE: DOT-SP 8451 Substances
Date:	Monday, April 28, 2025 4:35:41 PM
Attachments:	image002.png
	R&D-CY25-0348 DOT-SP 8451 Interpretation Request.pdf
	Interp-8451.pdf
	DOT-SP 8451 Party Status - 9-30-26.pdf

# **CAUTION:** This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Hi Casey,

Thank you for the warm welcome. From the email below, it looks like you've already made great progress on Brad's request. I've attached a signed copy of our formal interpretation request for your files, in case it is helpful. Thank you in advance for your assistance – please don't hesitate to let me know if there is anything else you need.

Best regards,

Matt

Matt Mills | Staff Research Scientist Northrop Grumman Corporation | Propulsion Systems Mobile: 945-283-3842 | Office: 435-863-2762 | matthew.mills3@ngc.com

From: Chambers, Casey (PHMSA) <casey.chambers@dot.gov>
Sent: Tuesday, April 22, 2025 4:51 AM
To: Cragun, Brad [US] (SP) <brad.cragun@ngc.com>
Cc: Mills, Matt [US] (SP) <Matthew.Mills3@ngc.com>
Subject: EXT :RE: DOT-SP 8451 Substances

Mr. Cragun,

Thank you. This has been received and our office will work on getting you a formal LOI.

Matt, welcome to the special permits space, amongst other things on your plate I'm sure. Please feel free to reach out with any questions you may have.

Best regards,

## **Casey Chambers**

Transportation Specialist, General Approvals and Permits Branch Office of Hazardous Materials Safety US Department of Transportation **Pipeline and Hazardous Materials Safety Administration** 1200 New Jersey Ave., Washington D.C., 20590 Mobile: 202-941-8195 Office: 202-366-4481

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From: Cragun, Brad [US] (SP) <<u>brad.cragun@ngc.com</u>>
Sent: Monday, April 21, 2025 3:37 PM
To: Chambers, Casey (PHMSA) <<u>casey.chambers@dot.gov</u>>
Cc: Mills, Matt [US] (SP) <<u>Matthew.Mills3@ngc.com</u>>
Subject: RE: DOT-SP 8451 Substances

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Hi Casey, let me introduce Matt Mills. He'll be taking my place as I ride off into the sunset in about six weeks.

Regarding DOT-SP 8451 and whether the quantity proposed to ship may be reduced to a quantity that would have a similar explosive response to that of 25 grams of PETN. I've prepared the attached interpretation request, and Matt will be uploading it in the portal shortly. Before we add one more task to your group's queue, I wanted to see if a similar interpretation already exists.

Also, if the interpretation for Reynolds Systems articles is analogous, could the time to an answer be reduced?

Thanks

b

From: Cragun, Brad [US] (SP)
Sent: Wednesday, April 16, 2025 1:23 PM
To: Chambers, Casey (PHMSA) <<u>casey.chambers@dot.gov</u>>
Subject: RE: DOT-SP 8451 Substances

Great. I look forward to it and will begin the interpretation request. I just wanted to make sure that there wasn't already one in place given the age and general usage of DOT-SP 8451. I hope that this will be an easy one given the philosophical similarity to the one for Reynolds Systems for articles in the shipping pipe.

Hopefully, the similarity will speed the response.

Second question, if we can get the interpretation in place so that we can use the pipe, would the DOT prefer that we also request an update to 8451?

Thanks for working with me on this.

b

**BRAD** CRAGUN ½ Staff Research Scientist Northrop Grumman Corporation ½ Space Systems O: 435-863-6157 ½ C: 435-279-4742 ½ brad.cragun@ngc.com

From: Chambers, Casey (PHMSA) <<u>casey.chambers@dot.gov</u>>
Sent: Wednesday, April 16, 2025 1:03 PM
To: Cragun, Brad [US] (SP) <<u>brad.cragun@ngc.com</u>>
Subject: EXT :DOT-SP 8451 Substances

Good afternoon Mr. Cragun,

I received your message from earlier today. This has been percolating around the office. It is highly likely that the permit in its current wording does not allow substances with energy densities greater than PETN. A modification application may be required.

I will call you sometime tomorrow.

Best regards,

# **Casey Chambers**

Transportation Specialist, General Approvals and Permits Branch Office of Hazardous Materials Safety US Department of Transportation **Pipeline and Hazardous Materials Safety Administration** 1200 New Jersey Ave., Washington D.C., 20590 Mobile: 202-941-8195 Office: 202-366-4481

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