



U.S. Department  
of Transportation  
**Pipeline and Hazardous  
Materials Safety  
Administration**

1200 New Jersey Ave. S.E.  
Washington, DC 20590

JUN 25 2007

Ref. No.: 07-0102

Mr. Wayne R. Cromley  
Corporate Safety & Risk Management Director  
Medical Services of America  
171 Monroe Lane  
P.O. Box 1928  
Lexington, South Carolina 29071

Dear Mr. Cromley:

This is in response to your May 8, 2007 letter requesting clarification of the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180). Specifically, you ask for clarification on the placarding requirements under § 172.504 when transporting a non-flammable gas such as, "Oxygen, refrigerated liquid (cryogenic liquid), 2.2, UN1073" in a packaging that has the capacity to hold 200 liters/777 pounds of liquid. Additionally, you ask whether the packaging qualifies as a bulk packaging in accordance with the definition for "bulk packaging" in § 171.8.

The answer to both questions is no. As provided by § 172.504(c), except for bulk packagings and hazardous materials subject to § 172.505, a transport vehicle carrying less than 454 kg (1,001 pounds) aggregate gross weight (packaging plus contents) of Table 2 hazardous materials need not be placarded. When calculating the 454 kg (1,001 pounds) aggregate gross weight, only the weight of Table 2 hazardous materials in non-bulk packaging needs to be included. A non-bulk packaging, as defined in § 171.8 means a packaging which has a maximum capacity of 450 L (119 gallons) or less as a receptacle for a liquid. As stated in your letter, your container has a maximum capacity of 200 L (52.8 gallons) therefore; your container would be considered a non-bulk packaging and not a bulk packaging.

I hope this information is helpful. If you have further questions, please do not hesitate to contact this office.

Sincerely,

Charles E. Betts  
Senior Transportation Specialist  
Office of Hazardous Materials Standards

171.8  
172.504



070102



## MEDICAL SERVICES OF AMERICA, INC.

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Herrera  
171.8  
172.504  
Placarding  
07-0102

May 8, 2007

Mr. Edward Mazzullo  
U.S. Department of Transportation  
Pipeline and Hazardous Materials Safety Administration  
Office of Hazardous Materials Safety  
1200 New Jersey Avenue, SE East Building, 2nd Floor  
Washington, DC 20590

**RE: Letter of Interpretation**

Dear Mr. Mazzullo:

**In an effort to ensure safety and Hazmat compliance I am asking for written clarification of the 172.504 General Placarding Requirements.**

**Comments/Question:** We are going to deliver liquid oxygen in a basic Chevy van. Our container will hold 200 liters/777 pounds of liquid. The DOT hazard class and ID# are 2.2 Non-Flammable, # UN1073. Does this qualify as a HAZMAT bulk and do we need to placard the van?

When looking at 171.8 it gives a good definition of Bulk Vs Non-Bulk but it does leave something open to interpretation.

Sincerely,

Wayne R. Cromley  
Medical Services of America  
Corporate Safety & Risk Management Director  
803-358-6775