



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

JAN 4 2002

Ms. Karen Schaaf
ECD Engineering
5200 Blazer Parkway
Dublin, Ohio 43017

Reference No.: 01-0319

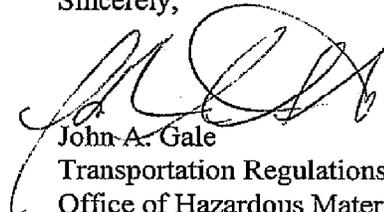
Dear Ms. Schaaf:

This is in response to your inquiry concerning the pressure rating required for plastic drums used to transport 30% ammonium hydroxide under the Hazardous Materials Regulation (HMR; 49 CFR Parts 171-180). You submitted a Material Safety Data Sheet and a vapor pressure curve with your inquiry.

Under § 173.22, it is the shipper's responsibility to determine that the packaging or container is an authorized packaging, including part 173 requirements, and that it has been manufactured, assembled, and marked in accordance with part 178. However, based on the information you provided, it is the opinion of this office that a hydrostatic test pressure of at least 300 kPa is required for the plastic drums.

I hope this information is helpful.

Sincerely,



John A. Gale
Transportation Regulations Specialist
Office of Hazardous Materials Standards



010319

173.22



Corbin
§ 173.24
General Packaging
01-0319

ECD Engineering
5200 Blazer Parkway
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FAX Number: 614-790-4213

FAX TRANSMITTAL FORM

DATE: December 13, 2001

TO: Director of the Office of Hazardous Materials Standard

FAX NUMBER: 202-366-3012

FROM: Karen Schaaf

PHONE NUMBER: 614-790-6440

NUMBER OF PAGES SENT (including cover): 12

COMMENTS:

We would like to know what pressure rating is required to ship 30% ammonium hydroxide in drums. We are trying to clarify apparently conflicting information we have received from drum suppliers. I have attached an MSDS and a vapor pressure curve. Please provide a written reply at your earliest convenience.

If you need anything else, please let me know.

Thanks,
Karen Schaaf

plastic drums
EX DOT E-1175B
100lb - if 300lb drums, don't
need exception
300lb - must use 300lb drum