



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

FEB 28 2007

Ms. Connie Roxas
Quality and Regulatory Compliance
Applied Biosystems
850 Lincoln Centre Drive
Foster City, CA 94404-1128

Ref. No. 07-0020


Dear Ms. Roxas:

This responds to your February 1, 2007 letter requesting clarification on proper shipping descriptions under the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180). Specifically, you ask if two aqueous solutions of alcohol described in your letter are eligible for the exception in § 173.150(e).

In accordance with § 173.150(e), aqueous solutions of alcohol containing 24% or less alcohol by volume and no other hazardous materials: (1) may be reclassified as a combustible liquid; and (2) are not subject to the requirements of the HMR if they contain no less than 50% water. According to your letter, both of your solutions of alcohol contain less than 24% alcohol by volume, no other hazardous materials, and also contain more than 50% water. Based on the information provided in your letter, it is the opinion of this Office that the two aqueous solutions of alcohol described in your letter are not subject to the requirements of the HMR.

I hope this answers your inquiry.

Sincerely,



John A. Gale
Chief, Standards Development
Office of hazardous Materials Standards



070020

172.101
173.150 (e)

Boothe
3172.101
§ 173.150 (e)
Shipping Name
07-0020



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February 1, 2007

Office of Hazardous Materials Standards
U.S. DOT/PHMSA (PHH-10)
400 7th Street S.W.
Washington, D.C. 20590-0001

Dear Sir or Madam:

We are requesting a shipping clarification on two solutions that we manufacture and sell globally for air, ground and marine transport. These solutions are used to ship slurry (16% w/v) of non-hazardous chromatography media.

We need to know if these two solutions are exempt under Section 173.150(e).

Solution #1 – Flashpoint: 97 °F (Method ASTM D-93) (closed cup)

Material	%	Ratio
Trade secret – non hazardous chemical	0.71%	w/v%
Trade secret – non hazardous chemical	0.39%	w/v%
Ethanol	22.00%	v/v%
Water	76.90%	v/v%
Total	100.00%	

Solution #2 - Flashpoint: 97 °F (Method ASTM D-93) (closed cup)

Material	%	Ratio
Ethanol	22.0%	v/v%
Water	78.0%	v/v%
Total	100.00%	

All are shipped in non-bulk packaging.

Sincerely,

A handwritten signature in cursive script that reads 'Connie Roxas'.

Connie Roxas
Sr. Dangerous Goods Specialist
Quality and Regulatory Compliance