



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

MAY 7 2004

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

Mr. Fumie Sloan  
Supervisor - Hazmat  
MOL America, Inc.  
One Concord Center  
2300 Clayton Road, Suite 1500  
Concord, CA 94520

Reference No.: 04-0073

Dear Mr. Sloan:

This responds to your letter concerning the technical name for "Self-Reactive Solid, Type D, 4.1, UN 3226, PG II" under the Hazardous Materials Regulations (HMR; 49 CFR parts 171-180). It is your opinion that "modified Azodicarbonamide" as shown on the Dangerous goods declaration is not an acceptable technical name because it is not listed as a technical name in the § 173.224(b) table of the HMR or in the 2.4.2.3.2.3 table of the International Maritime Dangerous Goods (IMDG) Code.

You are correct; "modified Azodicarbonamide" is not an acceptable technical name under the HMR and the IMDG Code. A self-reactive material that is not identified by technical name in the Self-Reactive Materials Table of § 173.224(b) of the HMR must be approved by the Associate Administrator under the provisions of § 173.124(a)(2)(iii). Similarly, under the IMDG Code, classification of new self-reactive substances or formulations that are not listed in the 2.4.2.3.2.3 table and assignments to a generic entry must be made by the competent authority of the country of origin. Classification procedures, test methods, and criteria relating to self-reactive substances of Division 4.1 are found in the United Nations Transport of Dangerous Goods Manual of Tests and Criteria, Part II.

I trust this satisfies your request.

Sincerely,

Hattie L. Mitchell  
Chief, Regulatory Review and Reinvention  
Office of Hazardous Materials Standards



040073

172.101  
173.224

# MOL

One Concord Center  
2300 Clayton Road, Suite #1500  
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March 24, 2004

Mr. Edward T. Mazzullo  
Director, Office of Hazardous Materials Standards  
U.S. DOT/RSPA (DHM-10)  
400 7th Street S.W.  
Washington, D.C. 20590-0001 Fax: 202-366-3012

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Dear Mr. Mazzullo,

I would like to have your formal interpretation regarding the required Chemical name on a Dangerous goods declaration, especially for the below reference hazardous materials.

Re: Self-Reactive Solid Type D  
(modified Azodicarbonamide)  
Class 4.1, UN3226, PG II

According to 173.224(b) Self-reactive materials table of 49CFR, and also 2.4.2.3.2.3 the list of the self-reactive substances of IMDG Code, both appear that

"Azodicarbonamide Formulation Type D" is assigned to UN3226, and "Azodicarbonamide Formulation Type C" is assigned to UN3224. The above reference chemical name; "Modified Azodicarbonamide", can not be seen on the both list.

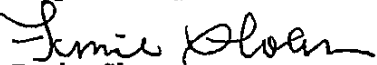
Also, the section 2.4.2.3.2.4 of IMDG Code refers that Competent authority approval seems to be needed if self-reactive substances or formulations are not currently listed on 2.4.2.3.2.3.

So, it is my belief that "Modified Azodicarbonamide" is not sufficed alone because there is no specific formulation type in the chemical name, and no one is able to verify whether this chemical is Type C or Type D, which seems to be made a difference to its UN number in this case.

As I am working at the Hazmat desk of our company, I would really like to obtain your interpretation before I approach to the one of our customers, who has been asking whether our company is able to ship the hazmat shipment from the US to Overseas by a vessel.

Thank you in advance for your expertise.

Respectfully,



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letter to Mr Mazzullo UN3226.doc/fs