



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

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

AUG 17 2001

Mr. William P. Murphy  
Owner/President  
Alloy & Metal Processors, Inc.  
623-33rd Place North  
Birmingham, AL 35222

Ref. No. 01-0211

Dear Mr. Murphy:

This is in response to your letter requesting confirmation that the test results of a sample of 75% ferrosilicon demonstrate that it is not subject to the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180). You state that your product was tested in accordance with the test method described in 49 CFR part 173, Appendix E (revised edition as of October 1, 1996), and found it does not meet the definition of a Division 4.3 (Dangerous When Wet) material.

As provided in § 173.22, it is the shipper's responsibility to properly classify a hazardous material. However, if the ferrosilicon handled by your company is the same material that was tested in accordance with requirements that now appear in the U.N. Manual of Tests and Criteria, and determined not to meet the Division 4.3 criteria, it is not subject to the HMR.

I hope this satisfies your request.

Sincerely,

Thomas G. Allan  
Senior Transportation Regulations Specialist  
Office of Hazardous Materials Standards

136-23

Gail

173.22

Shippers Responsibility  
Tracking # : 01-0211

205-322-2344  
1-800-321-8528  
FAX 205-328-3040

623-33RD PLACE NORTH  
BIRMINGHAM, ALABAMA 35222



ALLOY & METAL PROCESSORS, INC.

August 1, 2001

Mr. Thomas G. Allan  
Senior Transportation Regulations Specialist  
Office of Hazardous Materials Standards  
Washington, D.C.

Dear Mr. Allan,

In compliance with Haz Mat Regulations; DOT Standard 173, Appendix E, Division 4.3 (Dangerous when wet material) our ferrosilicon products have been tested by Andrew S. McCreath & Son, Inc. (Copy enclosed)

Please find results of those tests, regarding the applicability of the Hazardous Materials Regulations (HMR; 49). We will appreciate your response, via written letter, stating our material does not meet the criteria of a Division 4.3 Hazardous Material, and is not subject to the HMR.

Respectfully,

*William P. Murphy* <sup>CST</sup>

William P. Murphy  
Owner/President

/s  
Atch

MCCREATH

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(202) 366-3012



# Andrew S. McCreath & Son, Inc.

ANALYTICAL AND CONSULTING CHEMISTS

610 Willow Street  
P O Box 1453  
Harrisburg, PA 17105-1453  
Telephone (717) 298-0631  
Telex 84-2321  
Fax: (717) 298-4849

July 31, 2001

Alloy & Metal Processors, Inc.  
623 - 33rd Place North  
Birmingham, Alabama 35222

Gentlemen:

The sample received from you on July 26, 2001, marked: 75% Ferro Silicon, was tested in accordance with DOT Standard 173, Appendix E, Division 4.3 (Dangerous when wet material). Results are as follows:

### Spontaneous Ignition Test

Division 4.3 a (1)  
Division 4.3 a (2)  
Division 4.3 a (3)

No Spontaneous Ignition  
No Spontaneous Ignition  
No Spontaneous Ignition

### Gas Evolution Measurement

Total volume in MI each hour.

<u>Time Interval</u>	<u>Test 1</u>	<u>Test 2</u>	<u>Test 3</u>
1 Hour	0.00 MI	0.00 MI	0.00 MI
2 Hour	0.20 MI	0.00 MI	0.00 MI
3 Hour	1.70 MI	0.90 MI	0.80 MI
4 Hour	1.80 MI	1.10 MI	1.10 MI
5 Hour	1.80 MI	1.60 MI	1.10 MI
6 Hour	1.80 MI	1.80 MI	1.10 MI
7 Hour	1.80 MI	1.80 MI	1.10 MI
Total	1.80 MI	1.80 MI	1.10 MI

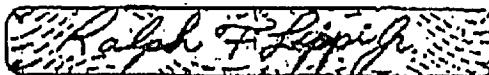
Page No. 2  
July 31, 2001  
DOT Test

Maximum Rate - 0.060 liter/hour/kilogram

Average Rate - 0.0089 liter/hour/kilogram

Yours very truly,

ANDREW S. McCREATH & SON, INC.

A rectangular stamp containing a handwritten signature in cursive script, which appears to read "Ralph F. Lippin".