JJH: JCL: TGG: (RF)
XF: Baltimore

TO: Wayne Hilgers

FROM: Tom Grumbles
DATE: March 13, 1985

Interoffice Communication

VISTA

SUBJ: $ALCL_3$ LIQUOR BENZENE LEVELS

Enclosed are the results from the additional sampling done at Baltimore to evaluate exposure potential to benzene from handling $ALCL_3$ liquor.

The results do not indicate a significant exposure level for the in-plant operation of product loading, however, the area samples do indicate that measurable levels of benzene could accumulate in storage vessels or other product handling areas.

Although we cannot accurately assess the exposure potential in our customers work place, based on these results, I recommend that a warning statement regarding the potential for benzene exposures be added to the Material Safety Data Sheet. This would best go in Section 2, under Hazard Data. Proposed language would be as follows:

> This product contains trace amounts of benzene which could accumulate in the vapor space of storage vessels or other product handling areas. Appropriate precautions should be taken to prevent benzene exposures. Benzene is a recognized human carcinogen.

Please let me know if you have further thoughts or comments on the above. If not, I'll proceed to have the MSDS changed.

Tom

Thomas G. Grumbles

cc: Tom Huffman

Enclosure

VVV 000015899

RECEIVED

FEB 12 '85

Interoffice Communication

To: T. G. Grumbles - Houston

Route: _____

Copy: _____

From: W. H. Maxson
Date: February 17, 1985

File: _____

X-F: _____

Subject: $ALCL_3$ LIQUOR LOADING SAMPLES

VISTA

This letter confirms our recent conversation regarding $AlCl_3$ Liquor truck loading samples. Per your request, benzene monitoring was conducted and included both area samples (1 foot above the truck manhead) and personnel samples to determine benzene concentrations associated with the subject job. The table below indicates the results of the monitoring program.

BENZENE MONITORING OF $ALCL_3$ LIQUOR LOADING

	Sample	Date	Duration	ppm Benzene TWA
1.	Manhead	1- 8-85	25 minutes	8.0
2.	Manhead	1-16-85	23 minutes	0.3
3.	D. Hundley	1-16-85	24 minutes	< 0.05
4.	Manhead	1-23-85	21 minutes	8.0
5.	C. Milewski	1-23-85	23 minutes	0.6
6.	Manhead	1-24-85	24 minutes	3.1
7.	C. Milewski	1-24-85	24 minutes	0.4

Please let me know if further assistance is necessary.

W. H. Maxson
Safety Coordinator

WHM/mw
cc: THH, DCS, LAM, JJC, KWR
CAP, TFW, JJR

VVV 000015900