

2/22 -
Te a/c.
CO Herman
B256

DISTRIBUTION LIST

FEB 25 1985
KLD

from: Goesch

TO:

Dave Mellon - 1320
Scott Morgan - 1010
Mike Ponder - 1010
Don Sturniolo - 1010
Reggie DeVone - 1180
Dick Groninger - 1180
Rich Koch - 1180
Rick Lundgren - 1180
Jim Moffatt - 1180
John Fricke - 1320

Gene Mollica - 1510
Julie Daut - 1510
Bill Ellsworth - 1510
Vicki Holt - 1510
Dave Little - 1510
Joe McNamara - 1510
Jay Pullman - 1510
Bob Schaefer - 1510
Carolyn Schwaab - 1510
Larry Thomas - 1510

Dave Stocker - 1550
Jim Meeker - 1460
Dave Nelson - 1460
Les Schafer - 1550
Quinn Stepan - 1550
Dave Swallow - 1550
Bob Bevacqua - 1550
Doug Brady - 1550
Dave Graham - 1550
Dave James - 1550

John Ritorto - 1070
Pat Brownstein - 1070
Ray Cary - 1070
Barry Ridings - 1070
Rob Miller - 1070
Ron Morgan - 1070
Randy Bennett - 1210
John McPhillips - 1210
Eric Martin - M2D
Jim Roder - M2D

FROM: D. G. Devereux
St. Louis - B3SC

File
"TETRA" 11/11/84

CONFIDENTIAL

SUBJECT TO PROTECTIVE ORDER.

004629

SENDER'S ACCOUNT NO. • 02-000-721.02	TWX/TELEX NO. OR CABLE ADDRESS Book Message	DATE 2/19/85	PAGE 1 of 1
STOP HERE WHEN USING 12 PITCH TYPING ELEMENT			10 P TCH

TO: All MIC Sales People (See Distribution Sheet)
FROM: D. G. Devereux - B3SC
St. Louis

CC: R. S. Geib - B2SL
J. C. Hunter - B3SA
D. P. Doherty - B2SL
S. G. Collins - B1ND
C. P. Farley - B3NB
W. L. Merman - B2SE
M. W. Winkel - B3SA
T. G. Iversen - B2SA
J. R. Foehr - B3SL
F. D. Edmonds - B2NK

On Wednesday, February 20, the attached letter will be sent out to our current Tetrathal customers and to those past customers for whom we have records. The letter discloses some information which has only recently come to light. Specifically, that recent tests have found trace amounts of dioxin in our product.

These low levels are not considered to pose any additional health risk when Tetrathal is handled properly. The amounts found are in the parts per billion range. The customer letter outlines some of the details.

We are disclosing this information to everyone who has contact with Tetrathal not because of the risk or hazard involved but rather because of the publicity which has followed the dioxin issue. In addition, as you know, Mr. Mahoney feels very strongly that we have a responsibility to fully disclose any information we have concerning the safety of our products.

You should be aware that the particular dioxin isomer which has created all the controversy is the 2, 3, 7, 8 isomer. We have found none of this isomer in Tetrathal.

The message to our customers should be clear. That is, we have found trace amounts of dioxin in Tetrathal. However, by following the handling precautions on the MSDS there is no additional health risk to anyone who may come in contact with it. Further, we plan no changes in the way in which we market the product or the emphasis that we place behind it. Tetrathal continues to be a viable commercial product for Monsanto.

Clearly, your customers may have further questions about this issue. Accordingly, you should direct questions and/or concerns to either myself or Charley Farley at 4-2918.

D. G. Devereux

IF MORE THAN ONE PAGE STAPLE/CLIP HERE -
NOT AT THE TOP OF THE PAGE.

SENDER'S ACCOUNT NO. ● 02-000-721.02	TWX/TELEX NO. OR CABLE ADDRESS Book Message	DATE 2/19/85	PAGE 2 of
STOP HERE WHEN USING 12 PITCH TYPING ELEMENT			10 PITCH
TO: World Areas Product Managers CC: J. C. Hunter - B3SA P. J. Kopke - Australia D. P. Doherty - B2SL K. H. Tham - Singapore S. G. Collins - B1ND S. L. Knapp - Tokyo C. P. Farley - B3NB H. R. Collet - Brussels W. L. Merman - B2SE J. E. Tucker - B3SB M. W. Winkel - B3SA J. E. Dunphy - Toronto T. G. Iversen - B2SA FROM: D. G. Devereux J. R. Foehr - B3SL St. Louis - B3SC F. D. Edmonds - B2NK J. J. Ferguson - Brussels The attached telex and letter are being sent to our domestic field sales organization on February 19. The customer letter is going out the same day. This communication details new information we have recently uncovered about a small amount of dioxin in Tetrathal. Our experts agree that the amount and composition of the dioxin does not pose a health risk. We are, however, making our findings public due to the publicity that has followed the dioxin issue. Since each of you has a different set of circumstances in your world area, I would suggest that you make the information available to your customers in your own way. As such we have no intention of disseminating the information into your area from here. However, please make certain that a copy of the letter is sent to each customer. In addition, I would like to ask that each of you copy me in on any additional information that goes out from your office. Also, please send me a list of people to whom the information has been made available. In this way, I can coordinate our effort and we can all be sure that no one has been overlooked. Our message has been stated in the accompanying literature, however. I believe that it is worth restating here. That is, we have found trace amounts of some dioxin isomers in Tetrathal. These are not the isomers which have been getting all the publicity and in fact, we believe that their existence is not cause for concern as long as the information contained in our standard MSDS is followed. In addition, we will continue to market Tetrathal in the manner we have in the past. Ex-US sales represent two-thirds of all Tetrathal volume. Therefore, it is important that you disseminate this information responsibly. If I can help in any way, please call or telex me without delay. In addition, I will be most interested in how this information is received by your customers. Please forward any relevant comments as soon as possible.			

IF MORE THAN ONE PAGE STAPLE/CLIP HERE -
NOT AT THE TOP OF THE PAGE.



SENDER'S ACCOUNT NO. •02-000-721.02	TWX TELEX NO OR CABLE ADDRESS Book Message	DATE 2/19/85	PAGE 3 of
STOP HERE WHEN USING 12 PITCH TYPING ELEMENT			10 PITCH
Thanks for your help. D. G. Devereux *****			

IF MORE THAN ONE PAGE STAPLE/CLIP HERE -
NOT AT THE TOP OF THE PAGE.



SENDER'S ACCOUNT NO.	TWX/TELEX NO OR CABLE ADDRESS	DATE	PAGE of
• 02-000-721.02	Book Message	2/19/85	4
STOP HERE WHEN USING 12 PITCH TYPING ELEMENT			10 PITCH
Name Title Company Street City Dear Name2: Monsanto Company has recently completed analytical tests on Tetra- thal® tetrachlorophthalic anhydride. As a valued customer, we would like to share with you this information and our assessment of it. Our analytical testing of Tetrathal detected extremely low but measurable levels of certain polychlorinated dibenzo-p-dioxin (PCDD) isomers among unwanted impurities in several product sam- ples taken from the Tetrathal unit at our Delaware River Plant. Occupational physicians, industrial hygienists and toxicologists from Monsanto's Department of Medicine and Environmental Health have reviewed these test data. They have concluded that when Tetrathal is handled properly the presence of these low level impurities is not a risk to Monsanto employees, our customers and the general public, nor is it a hazard to the environment. How- ever, in view of the notoriety and controversy surrounding the general dioxin issue, we think it appropriate that we inform our employees and customers of our analytical findings. The analysis showed that Tetrathal flakes contained penta-, hexa-, hepta- and octa-chlorodibenzodioxins in the 5-530 parts per billion (ppb) range. It is important to emphasize that no 2, 3, 7, 8 - tetrachlorodibenzo-p-dioxin (TCDD) was detected in any of the samples. Monsanto tested Tetrathal because it is made by a process judged by our technical personnel to have the possibility of generating PCDDs. The Tetrathal samples were analyzed at Monsanto's EPA accredited laboratory in Dayton, Ohio. According to our medical department, Tetrathal is known to cause allergic skin and respiratory tract reactions in people who are particularly sensitive to it. However, Monsanto has observed no cases of chloracne in the Delaware River work force. This skin condition is considered to be the hallmark, or first clinical symptom, of toxic exposure to the PCDDs and other chlorinated aromatics. ####			

IF MORE THAN ONE PAGE STAPLE/CLIP HERE -
NOT AT THE TOP OF THE PAGE.



SENDER'S ACCOUNT NO. • 02-000-721.02	TWX/TELEX NO OR CABLE ADDRESS Book Message	DATE 2/19/85	PAGE 5 of
STOP HERE WHEN USING 12 PITCH TYPING ELEMENT			10 P CH
Monsanto has established, for our own internal use, workplace airborne exposure limits of 0.5 mg/m³ (0.04 parts per million), 8 hour time-weighted average, and 1.0 mg/m³ (0.08 parts per million) 15 minute time-weighted average. These limits are achieved by good manufacturing practices, including dust control and ventilation. Also, we require workers to wear full-faced respirators and other protective equipment during dusty operations such as flaking the product and during bagging. We are convinced that, with the proper handling of this product (see attached Material Safety data Sheet), no health threat exists with the continued production or use of Tetrathal. We believe Tetrathal remains a viable and useful commercial product for Monsanto and our customers. Monsanto is ready to discuss this information with you. Please contact us if you have question. Sincerely, Charles P. Farley Manager, Product Acceptability Specialty Chemicals /nl Attachment *****			

IF MORE THAN ONE PAGE STAPLE/CLIP HERE -
NOT AT THE TOP OF THE PAGE.