

Monsanto

FROM (NAME & LOCATION): John Orem - St. Louis General Offices - B3ND

DATE April 4, 1972
SUBJECT Nan Ya Plastics
Taipei, Taiwan
REFERENCE Visit April 16-21, 1972

TO : C. D. Bias - 1760
R. N. Brell
R. W. Bucknell
J. A. Cannon - 1760
W. S. Clark
J. Culver - 5210
J. R. Darby - 1760
D. J. Denby
E. H. Fording
P. R. Graham
H. A. Hashbarger
E. L. Kaiser
S. F. Joyce - 1760
J. Y. Lee - 5210
J. K. Lilly
R. K. Louis - 5210
R. H. Mills - R2E
A. W. Morgan - 1760
E. Muschick
L. D. Press
J. T. Renshaw - 1760
E. S. Robson - B3NA
W. E. Schalk
J. E. Springgate - B3NA
K. C. Tomlins - 5210
~~N. W. Touchette~~ - 1760
K. A. Wells

Attached is the schedule for Mr. N. S. Lee, Technical Director, and Mr. C. T. Wang, Manager of Procurement Division of Nan Ya Plastics. Mr. Joseph Lee, our salesman in Taipei, will accompany these gentlemen.

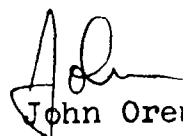
Nan Ya operates 20 calenders, plus they plan to install three high speed calenders in 1972, over 100 extruders, and one VAT machine. Their appetite for plasticizers is almost unbelievable, ca 60 million pounds annually.

They have a contract for 20 million pounds of Santicizer 711 and over one million pounds of Santicizer 160. Throughout the week we will be specifically emphasizing Santicizer 711, Santicizer 160, the phosphate plasticizers, and polymerics.

For the product family discussions, if each of the Product Managers/Supervisors and Paul Graham could spend 15-20 minutes per family, it would provide a reference point for the week's activities. Market uses and applications need not be stressed as they will be covered later. A summary of the development of the products and their status should supply the basic points that we want to have established.

For the ecology and toxicity discussion, they have expressed an interest in the methods used to determine the toxicity of plasticizers, Paul, it should be sufficient if you cover the major points without getting into depth on your ecology talk. I would like to have you lead Nan Ya into discussing the status of PVC, phthalates and the environment in the Far East.

Please let me know if there is any conflict between this schedule and your itinerary.


John Orem

DSW 587377

STLCOPCB4092713

Monday, April 17 (AM at JFQ/PM at GO)

8:30	Welcome	JKL
8:45	Introduction	JHO
	PVC & Plasticizers	
	Monsanto world wide plasticizer operations	
9:15	Outdoor stability including North window light	JRD
10:00	Desireability Parameter	JRD
10:30	Lab Tour	JRD
11:30	Lunch	
1:30	Ecology & Toxicity - at GO Classroom B	PRG
2:30	Product Families	
	Linear Phthalates	ELK
	Adipates	ELK
	Benzyl Phthalates	DJD
	Phosphates	WSC
	Polymeric	KAW
	Trimellitates	PRG
	Specialty Plasticizers	KAW
4:30	Definition by Nan Ya Plastics of the markets they serve	led by JKL

DSW 587378

STLCOPCB4092714

Handed
Machand
GM Back
S. L. TA
T. L.

Tuesday, April 18 (at JFQ)

8:30	Standard Screening Evaluation	NWT
	Tests, Test Methods, and their meaning	NWT
	Environmental Compatibility	NWT
	Low temperature test methods for calendered film & sheet, foamed leathercloth, rigid PVC	EM
11:00	Effect of plasticizers on the formulation's properties including electricals , low temperature and fusion	EM
12:00	Lunch	
1:30	Electricals	CDB
2:15	Fire Retardance	
	Trend in the U.S. and legislation	LDP
	Test methods and their interpretation	LDP
	Products: Phosphates, Phosgard C-22-R & 2XC-20, antimony oxide, aluminum hydrate	LDP
3:00	Demonstrations	AWM
4:00	Importance of Fire Retardance in the Far East - we will pose this question to Nan Ya - Smoke generation and flame spread	(JRD/AWM/LDP)

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Wednesday, April 19 (at GO)

9:00	Meeting with E. S. Robson	
9:30	Monsantorama	JKL
10:00	Order Processing	JKL
11:00	Qualitative analytical methods for plasticizers	RHM
11:30	Tour Research Center	(JKL/RHM)
12:30	Lunch	
2:00	Cerex	RMP
3:00	International Division	JKL

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Thursday, April 20 (at JFQ)

8:30 Flooring - industry needs JH0

9:30 Plastisols SFJ

Plasticizer, Resin, Stabilizer, Filler
influence on rheology and fusion

12:00 Lunch

1:30 Foams

Spread Coating SFJ

Chemically blown (Nitrosan & AZO)

Brabender study

Plasticizer, resin, kicker, blowing
agent, filler influence

Mechanically frothed JTR

Synopsis of SPE Carpet Backing paper

Plasticizer, resin, and foaming agent selection

Dry Blend Foam JTR

~~Calendered~~

Effects of components

Plasticizer selection

Formulation

(Overnight at Tall Oaks)

NWT

5-160

Barbury
Two-roll
stickling
(with hand seat)

Calender
Post Roll

DSW 587381

STLCOPCB4092717

Friday, April 21 (Tall Oaks)

Why Santicizer 711 and where	EM
Why Benzyl Phthalates and where	JHO
Why Polymerics and where	LDP
Why Phosphates and where	EM
Why Specialty Plasticizers and where including Diphenyl Phthalate and S-141 for outdoor stability	LDP

(JRD will assist in the conclusions)

(Overnight at Hilton Airport Inn)

Saturday, April 22

Depart

DSW 587382

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