

COPY OF

C O N F I D E N T I A L *chr 7.12*

ORGANICS & POLYMERS DIVISION

TENNECO CHEMICALS, INC.

NEW PRODUCT INTRODUCTION

Date: January 17, 1975 NPI No.: 1043
Approved by: _____ Plant: Burlington Plant #8
Engineering: *W. Mc...* Product Identification: 1756
Marketing: *Mc...* Formulation No.: H-8550-61
Manufacturing: *(initials)* Series No.: 995
Requested by: Marketing Issued by: L.A. Schappell

Objective

To produce 600,000 lbs of foam resin, 1756 (1755 base resin without Tween 20 and with AR-903) containing good foamability characteristics for customer evaluation.

Marketing Justification

Projected demand for 1756 is 200,000 lbs per month.

Product Disposition

Resin produced under this NPI will be dispositioned by Marketing subsequent to initial release by Resin Applications Group.

COLORITE 010974

References

1. Meeting between Marketing, R&D; Production and Process Engineering, 1/15/75
2. Memo from G.W. Leach, dated 9/12/72, Subject: "Final Report NPI 844, Foam Resin"
3. NPI 844-3, dated 11/18/71

Technical Discussion

AR-903 resin will be produced by the end of January. A sample will be submitted to Resin Applications Group for evaluation. Production of 1755 without Tween 20 will be done at the end of the current 1755 run to provide a 50-lb sample for Resin Applications Group to evaluate. When authorization from Resin Applications Group and Marketing is given, production of 100,000 lbs of 1756 foam resin will begin.

Quality Control will perform routine tests on this resin. All pallet samples will be saved and forwarded to Resin Applications Group along with a copy of the add sheets.

Post add of AR-903 has been set at 6% or 120 lbs per pallet, however, this is subject to change based on R&D's evaluation of the resin's foam properties.

NEW PRODUCT INTRODUCTION

FORMULATION

PLASTISOL RESINS

NPI No.: 1043

Formulation No.: H-8550-61

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<u>WEIGHT</u>	<u>PHM</u>	<u>RAW MATERIAL</u>	<u>CONDITIONS</u>
12,500	100	MVC	Mix Time: 1/2 hour
13,467	108	DM Water	Charge Temp.: 60 - 70°F
415	3.3	Avirol 101	1/8" dia,
16	.13	LP	Orifice Plates: 17-hole plate
2	.02	Lupersol 223M	3 stages,
	Post	Adds	Homogenization: 1 plate
6	PHR	AR-903	Reaction Temp.: 123°F
			Antifoam: TBP (min. req'd)
			Recovery: 20" Hg min.

NOTE: No Tween 20 added to batch

USE STANDARD CHARGE PROCEDURE

Special Instruction

Post Add Level - AR-903 - 6% = 120 lbs per pallet ±10%

COLORITE 010976