

INTER-OFFICE MEMO FERTIGO CHEMICALS, INC.

TO H.B. Carr AT Burlington DATE 11/24/71
FROM F.W. Kanzler AT Burlington COPY TO H.R. Borton
E.J. Hourihan
D.H. Weintraub
SUBJECT Cadet lauroyl Peroxide (Noury Chemicals) ✓ File
Reference: Memo H.B. Carr from
F.W. Kanzler, 11/11/71 bcc: Analytical Lab

As stated in the referenced memo, the bottle polymerizer evaluation of the subject initiator was run and has been completed. In addition to the Cadet lauroyl peroxide (L_2O_2), bottles were set up with U.S. Peroxygen L_2O_2 and Electrochemische Werke Munchen L_2O_2 . The data shown in Table I (attached) indicates that the Cadet L_2O_2 gives a good conversion, while the U.S. Peroxygen initiator shows a low conversion rate, which is explained by the lower assay of this material. The sample USPl had a small amount of foam resin contained in an otherwise normal looking resin. Infra Red examination showed the foam to be a Copolymer and not as suspected as a polyvinyl acetate. Bound acetate analysis results show a slight increase in bound acetate levels for the polymers with lower yield values.

Purchasing has placed an order for 2,000 pounds of the Cadet L_2O_2 . Process Engineering is requested to run an evaluation of this raw material.

F.W. Kanzler

F.W. Kanzler

Attachment.

FWK/jt

TABLE I

<u>Type of Li_2O_2</u>	<u>Assay A(0)</u>	<u>Charged</u>		<u>Yield</u>	<u>Yield</u>	<u>Bound Acetate</u>
		<u>VCM</u>	<u>VAcM</u>	<u>gms</u>	<u>%</u>	
Cadet 1-A	98.4	68	12	78.65	98.3	13.3
Cadet 1-B	98.4	68	12	78.59	98.2	13.2
Cadet 2-A	97.4	68	12	78.70	98.4	13.4
Cadet 2-B	97.4	68	12	78.15	97.7	13.2
U.S. Peroxygen 1	97.0	68	12	74.6	93.3*	14.0
U.S. Peroxygen 2	97.0	68	12	76.1	95.1	13.7
EWM 1	97.8	68	12	76.9	96.1	13.7
EWM 2	97.8	68	12	78.65	98.3	13.5

*Foaming Resin

COLORITE 015029