

HIRSHBERG BROS. & Co. CHEMICALS LTD.

39, WOLFSON STREET

P. O. BOX 246

TEL-AVIV, ISRAEL

13th October, 1965

Messrs.
Monsanto Europe S.A.,
1, Place Madou,
Brussels.



Dear Sirs,

Re: Heat Exchange Media

In our letter of 11th date, we asked for the present prices of Santowax 000.

At present, a new localisation process is being investigated here by a certain Mr. A. Osder, Chemical Engineer. This process is based on Critical Pressure.

Mr. Osder wants an intermediate fluid for direct heat exchange. The water will move from temperatures of 420°C down to 360°C in cycles of a few seconds only, and then come up again to 420°C. The heat exchange medium should be suitable for temperatures up to 420°C.

The fact that this is a direct heat exchange process also makes for complications.

The water, of course, comes out at considerably lower temperatures than 300°C, and it is desirable that the melting point of the Santowax should be as low as possible, so that it comes out with the sweetened water in liquid form, and not in solid or wax form. In the latter case, the wax would build up the equipment, with the resultant loss of efficiency. For this reason, Santowax 0 seems to be the most suitable, since it has the lowest melting point, and thus allows the sweetened water to get out at a comparatively low temperature.

Mr. Osder realises that there will be thermal decomposition products, and would like to know when they are, and whether their chemical and physical properties may be of any importance (toxicity?) for the sweetened water coming out of the process.

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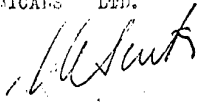
RAVIV, ISRAEL

Messrs. Monsanto Europe S.A.

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We shall be glad to receive as much new literature and specific data as you have on this subject, and look forward to your comments.

Yours truly,
HIRSHBERG BROTHERS & CO.
CHEMICALS LTD.



P.S. The Osdor process will be a subject in the October issue of a journal dedicated to water sweetening, which we understand to be called the ASHRE Journal (?)

If you are interested in a complete and more detailed description of the Osdor process, please let us know, and we shall send you a complete description.

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