

C171484

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The rated output is 3,000,000 lbs. per year of bakelite resin. An agreement has been reached whereby the range of colours for buttons will be reduced from 35 to 14, which is expected to increase the plant output to 3,500,000 lbs. per year. While this quantity will about cover present requirements, there are some new items in connection with shell manufacture which will greatly increase the demand.

Negotiations are proceeding with a view to increasing the capacity of the plant or erecting a new factory.

CHLORINE:

Apart from the two paper companies who make their own requirements, the Eastern Canadian market is supplied by C-I-L from three plants (Windsor and Cornwall, Ont., and Shawinigan Falls, Que.) with a combined capacity of about 48,000 tons per year, to be increased to 55,000 tons when an addition to Windsor is completed in June, 1942.

The distribution at present (October 1941) is as follows:

For Tri-chlor-ethylene	405 tons per month
" Hexa-chlor-ethane	820 "
" derivatives (chloride of lime, &c.)	100 "
" commercial uses (largely for bleaching pulp)	2300 "
	<u>3625</u> "
Capacity	<u>4000 tons per month</u>

This leaves a small surplus which is being exported to U.S. where it is in heavy demand. In return Canada is obtaining supplies of chemicals using chlorine as a raw material, such as carbon tetrachloride and ethylene glycol.

In order to conserve supplies for essential uses, a restriction in the use of chlorine for bleaching pulp in the making of paper has been made effective October 6. It is expected that this will result in a reduction of 25% in the consumption of chlorine in the grades of pulp specified in the order. This restriction has been taken into account in the October estimate given above.

Further restrictions may be necessary if, as is possible, there may be an increase in the production of tri-chlor-ethylene and hexa-chlor-ethane, both of importance in the war effort.

TAR AND PITCH:

The situation in these materials is rendered critical by the heavy demand of the Aluminum Company at Arvida. The estimate follows based on tar:

Total Canadian production.....	20,500,000 gals.
Dominion Tar & Chemical for refining (including Aluminum Co.)	25,900,000
Roofing and tar felt	3,000,000
Roads	3,000,000
Sundry	500,000
Steel Co. of Canada for fuel as a substitute for oil	<u>2,500,000</u>
	<u>35,900,000 gals.</u>
Shortage.....	<u>5,400,000 gals.</u>