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[1963] 17p (figs omitted) 12refs
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Trans. of Chemie-Ingenieur-Technik (West Germany)
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DESCRIPTORS: *Towers (Chemistry), Design,
*Hydrochloric acid, Manufacturing methods, *Hydrogen
compounds, *Chlorides, *Fluorides, Absorption
(Physical)

The production methods, and the corresponding manu-
facturing plant, using carbon materials for the appara-
tus for the adiabatic absorption of hydrogen chloride,
are described. Two newly developed processes are de-
scribed, which include adiabatic hydrogen chloride ab-
sorption as an essential step. One of these permits the
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Available on loan from SLA

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p. 11-17.

DESCRIPTORS: Industrial production, Manufacturing
methods, Economics, *Infrared radiation, Dehydration,
Heat treatment, Materials.

(Materials--Plastics, TT, v. 6, no. 7)

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Order from SLA \$1.60 61-16186

Trans. of Angew[andte] Chem[ie] (West Germany) 1959,
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DESCRIPTORS: *Sulfonates, *Detergents, *Wetting
agents, *Phenyl radicals, Alkyl radicals, Textiles,
Processing.

The textile-chemical properties (surface tension, in-
terfacial tension, wetting capacity, emulsifying power,
foaming capacity, foam stability, soil suspending power,
cleaning power) of p-n-alkylbenzene sulfonates were in-
vestigated as a function of their alkyl chain lengths.
Surface activity in the textile chemical sense begins at
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the surface and interfacial tensions, as well as the
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DESCRIPTORS: *Carbon compounds, *Monoxides, *Gases, *Hydrocarbons, Synthesis, Waste gases.

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DESCRIPTORS: *Supersonic flight, *Supersonic planes,
Supersonics, *Thrust, *Compressible flow.

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graphical construction of a force triangle, the sides of
which are the coefficients of weight C_W , total aerody-
namic force C_R , and required thrust C_T is modified and
made suitable for use for supersonic speeds. To illus-
trate the great potentiality of the graphical method of
calculation it is shown to be adaptable to the calculation
of unsteady motion of an aircraft.

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