

NOTICE: If the film image  
is less clear than this  
notice, it is due to the  
quality of the document  
being filmed

224

*"Dutch Boy"*

**CLARITE**

*Clear Heat and Light Stabilizer  
for Vinyl Extrusions, Flooring  
and Molded Products*



**DUTCH BOY CHEMICALS**

*A Product Development of  
NATIONAL LEAD COMPANY*

F-58-55

00057

0943

NLI 11

# *"Dutch Boy"*® **CLARITE**

"DUTCH BOY" CLARITE is a barium-cadmium organic complex especially useful for the stabilization of clear vinyl extrusion, flooring and molded products. It is provided in two parts. CLARITE A is a soft white powder which is easily dispersible in a plastic mix. CLARITE B is a clear liquid, miscible with most of the vinyl plasticizers in common usage. CLARITE will give best results in vinyl plastics when the two components are used in the recommended proportion.

## *Table of Properties*

### CLARITE A

|                        |                   |
|------------------------|-------------------|
| Color and Form .....   | Soft white powder |
| Specific Gravity ..... | 1.34              |
| Refractive Index ..... | 1.53              |

### CLARITE B

|                        |                            |
|------------------------|----------------------------|
| Color and Form .....   | Clear straw-colored liquid |
| Specific Gravity ..... | 0.930                      |
| Refractive Index ..... | 1.485                      |

### (1) *Excellent Heat Stability*

A. *Extrusion Compounds*—The heat stability of "DUTCH BOY" CLARITE is outstanding. It is of special advantage in extrusion operations where it supplies maximum protection for the vinyl compound under severe heat conditions. Although CLARITE has less lubricating action than is usually associated with barium-cadmium soaps, it has sufficient lubricity to permit easy extrusion.

**B. Flooring Compounds**—In non-asbestos filled vinyl flooring compounds, CLARITE A in conjunction with stearic acid has proved to be an excellent stabilizer system. In addition to assuring maximum heat stability during processing, its high clarity permits a wide choice of vivid colors.

In asbestos-filled compounds also, the CLARITE A-stearic acid combination supplies the required degree of heat stability. The co-use of "DUTCH BOY" NORMASAL is strongly recommended for preventing discoloration due to impurities present in the asbestos.

(2) **Good Light Stability**—CLARITE offers good protection against the deleterious effects of ultra-violet light. This property, combined with its excellent heat stability recommends it for many outdoor applications, such as clear garden hose.

(3) **Use with Plasticizers**—CLARITE'S unusually high heat stability can be maintained in the presence of less stable plasticizer types. This makes it possible for the compounder to use a wide range of plasticizers to impart desired characteristics in the finished plastic product. These plasticizers include the organic ester types such as phthalates, adipates and sebacates, and the polymeric type. It is particularly recommended for use with the inorganic ester type plasticizers such as the aryl and aryl-alkyl phosphates. It also may be used very successfully with a wide variety of colorants.

(4) **Recommendations**—Approximately 2% of CLARITE A and 1% of CLARITE B, based on the weight of the resin, is recommended for general use. The two components mixed in this proportion are recommended for most types of flexible vinyl chloride compounds. CLARITE is particularly useful for extruded belting and tubing, flooring and molded products.

**Dutch Boy<sup>®</sup>**  
**CHEMICALS**



## NATIONAL LEAD COMPANY

*General Offices*

111 Broadway, New York 6, N. Y.

ATLANTA, GA.....400 Bishop Street, N.W.  
BOSTON 6, MASS.....300 Albany Street  
CHICAGO 8, ILL.....900 West 18th Street  
CINCINNATI 3, OHIO.....659 Freeman Avenue  
CLEVELAND 13, OHIO.....1776 Columbus Road  
DALLAS 2, TEXAS.....959 Terminal Street  
DEPEW, N. Y.....Ellicott Road

DETROIT 11, MICH.....3541 Griffin Street  
LOS ANGELES 23, CAL.....8118 East 36th Street  
PHILADELPHIA 25, PA...2607 East Cumberland Street  
PITTSBURGH 12, PA.....5176 River Avenue  
SAN FRANCISCO 10, CAL.....3240 24th Street  
SEATTLE 4, WASH.....1128 W. Spokane Street  
ST. LOUIS 1, MO.....722 Chestnut Street

In Canada

CANADIAN TITANIUM PIGMENTS, LTD.  
680 Dorchester Street West  
Montreal, Quebec

**NOTE:** The recommendations made herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and the products discussed are sold without warranty, express or implied, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.