DATE: September 19, 1974

IN TURN:	DATE RECEIVED	APPROVED INITIALS	APPROVED DATE
*W.J. McGinnis, CD&PD, Chestnut Run			
J.G. Dickinson, " " " "			
J.C. Watts, " " " "			
C.H. Muendel, " " " "			
R.J. Buch, " " " "			
E.W. Stewart, " " " "			
W.W. Greer, " " B-17274			
R.J. Fahl, " " B-17276			
M.F. Rummel, CD&PD - B10726			
L.N. Fisher, Legal - B-13270			
A.M. Kaplan, CRD - Haskell Lab			
M.B. Lore, Legal - ~~D-7045~~ D6056			
R.E. Hedgepath, Legal - ~~D-7042~~ D 7063			
R.E. Hutter, Adv. - N-2468			
F.W. Warwick, Adv. - N-2545			

APPROVAL REQUEST

ADVERTISING AND PROMOTION MATERIAL

Please approve the attached material. See note below. Any comments can be indicated in the text and initialed.

TITLE OF PIECE: Ti-Pure® *R-920* Rutile Titanium Dioxide DATA SHEET

TYPE (OBJECTIVE): Replaces old Property Data Sheet. Updates analysis and properties data and adds safety, first aid and packages information.

*Those whose names follow the asterisk (*) above certify that the product and performance claims contained in subject material are accurate and that the files of the Chemicals, Dyes & Pigments Department contain data to support the claims, They further certify that any claims attributed to non-Du Pont sources are consistent with our knowledge and experience.

NOTES: 1) Extra copy attached for W.J. McGinnis.
2) Copy sent to M.B. Lore under separate cover.

DATA SHEET

TI-PURE* R-920
RUTILE TITANIUM DIOXIDE

A fine, dry, white powder with the following general properties:

Typical Analysis[a]

Titanium Dioxide	(TiO_2)	93.8% min.
Aluminium Oxide	(Al_2O_3)	4.0% max.
Silicon Dioxide	(SiO_2)	0.5% max.

Typical Physical Properties[a]

Specific gravity	4.19
Bulking value	0.029 gal/lb (0.239 L/kg)
Oil absorption (av.)	13.9 lb/100 lb (139 g/kg)
pH	6.7-8.0
% Volatiles @ 221 F (105 C) (Determined at time of packaging)	0.7% max.

[a]The above tables give typical properties based on historical production performance. Du Pont does not make any express or implied warranty that this product will continue to have these typical properties.

Uses

In paints, Ti-Pure® R-920 is a general purpose, moderately chalk-resistant pigment having excellent dispersibility and gloss. It provides excellent hiding power efficiency in lower pigment volume concentration coatings such as gloss and semi-gloss industrial and trade sales finishes. It is yellower in undertone than Ti-Pure® R-900.

*Reg. U.S. Pat. & T.M. Off., Du Pont Co.

DUP050074564

N42314.01

Personal Safety And First Aid

Ti-Pure® R-920 is classified as an inert mineral dust. The U.S. Department of Labor (OSHA) has ruled that an employee's exposure to nuisance dusts in any 8-hour shift of a 40-hour work week shall not exceed an 8-hour time weighted average (TWA) of 15 mg/m^3 by weight in air. The American Conference of Governmental Industrial Hygienists (ACGIH) recommends a Threshold Limit Value (TLV®) of 10 mg/m^3 by weight in air. State law should be consulted to determine whether the lower ACGIH limit applies in their jurisdiction. Both OSHA and ACGIH limit the TWA for the respirable dust fraction of a nuisance dust to 5mg/m^3 by weight in air.

Health Hazards

Titanium dioxide is chemically and physiologically quite inert, and no adverse effects from exposure are known.

Safety Precautions

For titanium dioxide dust concentrations above the minimum, workers should wear dust respirators, such as Mine Safety Appliance No. 66 CM-73053 type filter.

Packages

Ti-Pure® R-920 Rutile Titanium Dioxide is available in 50-lb (22.7-kg) paper bags and 75-ton (68-metric ton) dry bulk pressure differential rail cars. No Department of Transportation (DOT) label is required as of July 1979.

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