

CREANOVA Inc.
Division I Colorants Group

24 Hour Emergency Number: 800-424-9300
24 Hour CHEMTREC Number: 800-424-9300

KX

Approval Date: June 19, 1998
Print Date: December 01, 2000

Cust: 32868002

Page: 1

MSDS Number: 8020018 BL-01

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PS 170

Product Name : COLORTREND® PLUS TITANIUM WHITE
Synonyms : Pigment dispersion
Product Use/Class: Aqueous colorant

Supplier/Manufacturer:

CREANOVA Inc.
Turner Place, P.O. Box 365
Piscataway, NJ 08855
Environmental & Regulatory Affairs, Information Number: 732-981-5016

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

	CAS Number	% (Wt./Wt.)
Titanium dioxide	013463-67-7	30 - 60 %
Talc, Magnesium silicate hydrate	014807-96-6	10 - 30 %
NJTSR No. 56705700001-6149P	Trade Secret	1 - 5 %
Aluminum hydroxide	021645-51-2	1 - 5 %
Amorphous silica	007631-86-9	1 - 5 %

See Section 8 for Exposure Guidelines

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***:

May cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

Eye Contact:

According to test results on similar colorant base mixtures, this product is classified as a moderate eye irritant. May cause tearing, reddening and/or swelling.

Skin Contact:

Moderate irritant according to test results on similar base mixtures.

Inhalation:

No hazard expected in normal use.

Ingestion:

Moderately toxic. May be harmful if swallowed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Limits**

	Value	Limit	Reference
Titanium dioxide	15 mg/m3	TWA	OSHA
	10 mg/m3	TWA	ACGIH
	N.E.	STEL	OSHA/ACGIH
Talc, Magnesium silicate hydrate	20 mppcf	TWA	OSHA
	2 mg/m3	TWA	ACGIH
	N.E.	STEL	OSHA/ACGIH
NJTSR No. 56705700001-6149P	N.E.	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH
Aluminum hydroxide	N.E.	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH
Amorphous silica	20 mppcf	TWA	OSHA
	10 mg/m3	TWA	ACGIH
	N.E.	STEL	OSHA/ACGIH

Other Exposure Limit Information:

The OSHA TWA and ACGIH TWA exposure values for talc are for asbestos free talc expressed as millions of particles per cubic foot (mppcf). The OSHA TWA exposure value for amorphous silica is expressed as millions of particles per cubic foot (mppcf).

Engineering Controls:

Use adequate ventilation.

Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection:

Use chemical splash goggles.

Skin Protection:

Use impermeable gloves.

Other Protective Equipment:

A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure : 17 mm Hg @ 68°F
Vapor Density (Air = 1) : Is heavier than air
Specific Gravity : ~1.3
Boiling Point : >212°F
pH @ 100.0% : 8.0 - 9.5
Viscosity : 90-110 KU @ 77°F
Evaporation Rate : Is slower than Butyl Acetate

Other Properties:

White. Paste. Mild odor. Solubility in water: Dispersible.

10. STABILITY AND REACTIVITY

Stability:

This product is stable under normal storage conditions.

Hazardous Polymerization:

Will not occur under normal conditions.

Conditions To Avoid:

Not Applicable.

Incompatibility With Other Materials:

Oxidizing materials. Strong acids.

11. TOXICOLOGICAL PROPERTIES

Component Toxicological Information:

Chemical Name	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Titanium dioxide	>24,000 mg/kg	>10,000 mg/kg	>6,820 mg/m3, 4hr
Amorphous silica	> 31,600 mg/kg	> 2,000 mg/kg	Not Available

12. ECOLOGICAL INFORMATION

Ecological Information:

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Method:

Waste must be disposed of in accordance with federal, state, provincial and local regulations. CONTAINER DISPOSAL: Empty containers by removing the top and inverting to allow all free flowing product to drain. To meet regulatory criteria, the container is considered empty when less than 3% remains in the container. Additional special handling is not typically required and the empty container can be discarded with other non-hazardous trash.

Note: Local disposal regulations may be more stringent and require additional restrictions or precautions. Customers should check with their local disposal company, municipal or state authority. Recycle of plastic or metal containers may require clean rather than empty containers. In this case the containers can be rinsed with water until the containers are considered generally product free.

14. TRANSPORTATION INFORMATION

U.S. DOT Transport Information

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

Clean Air Act Section 112:

This product contains the following components listed as Hazardous Air Pollutants:

None

This product contains the following components listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:

This product contains the following components listed as Extremely Hazardous Substances:

None

SARA Section 311/312:

Hazard Classifications: Immediate (acute)

15. REGULATORY INFORMATION (CONTINUED)

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None

TSCA:

This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

State Regulations

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

International Regulations

Summary of International Chemical Inventory Status

Canada	On inventory
Europe	On inventory
South Korea	On inventory
Australia	On inventory

16. OTHER INFORMATION

HMIS Ratings: Health - 2 Flammability - 1 Reactivity - 0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard,

* = Chronic health hazard, N = No rating for powders

NFPA Ratings: Health - 1 Flammability - 1 Reactivity - 0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

Key to abbreviations used:

NA Not applicable

NAV Not available

NE Not established

NJTSR No. New Jersey Trade Secret Registry Number

Product Name: COLORTREND® PLUS TITANIUM WHITE

Approval Date: June 19, 1998

Cust: 32868002

Page: 8

Print Date: December 01, 2000

MSDS Number: 8020018 BL-01

16. OTHER INFORMATION (CONTINUED)

® Registered Trademark owned by or licensed to CREANOVA Inc.,
CREANOVA Canada Inc., CREANOVA Spezialchemie GmbH., or Röhm
GmbH.

TM Trademark owned by or licensed to CREANOVA Inc., CREANOVA
Canada Inc., CREANOVA Spezialchemie GmbH., or Röhm GmbH.

Revision Summary:

This is the first issue of this MSDS in the ANSI Z400.1-1993 format.

The information is furnished without warranty, representation, inducement,
or license of any kind, except that it is accurate to the best of CREANOVA
Inc.'s knowledge or obtained from sources believed by CREANOVA Inc. to be
accurate and CREANOVA Inc. does not assume any legal responsibility for use
or reliance on same. Customers are encouraged to conduct their own tests.
Before using any product, read its label.

MSDS last page