



MATERIAL SAFETY AND PRODUCT DATA SHEET

MANUFACTURER'S NAME: ELEMENTIS SPECIALTIES
 STREET ADDRESS: 400 CLAREMONT AVENUE
 CITY, STATE & ZIP CODE: JERSEY CITY, NJ 07304
 INFORMATION TELEPHONE NO: (201) 432-0800
 EMERGENCY 24-hr TELEPHONE NO: (800) 424-9300 (CHEMTREC)

HEALTH	<u>1</u>
FLAMMABILITY	<u>1*</u>
REACTIVITY	<u>0</u>
PERS. PROTEC. EQUIP	<u>E</u>

SECTION I - IDENTITY

Common Name
 Used on Label: TINT-AYD PC 9003 NON-CHALKING TITANIUM DIOXIDE Chemical Name: N/A: (Mixture)
 Trade Names and
 Synonyms: Pigment Dispersion Formula: N/A: (Mixture)
 CAS Number: Not required (mixture).
 Chemical Family: Pigment in Modified Acrylic Resin

COMPOSITION Components not specifically identified by CAS Number and/or Chemical Name are protected under "trade secret" or "proprietary information" provisions of PA Ch. 317.2 (1987).

CHEMICAL NAME	CAS Number	% by Weight	% by Volume
Titanium Dioxide Pigment	13463-67-7	70.0	39.0
Modified Acrylic Resin	Proprietary	30.0	61.0

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS Number	ACGIH TLV/ppm	OSHA PEL/ppm	% by Volume
None known unless listed below.				

Product: Tint-Ayd PC 9003 Non-Chalking Titanium Dioxide

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point/Range:	N/A	Vapor Pressure (mm Hg 25°C):	N/A
Volatile Organic Content (VOC):	0	Vapor Density (Air = 1):	N/A
Solubility in Water:	Negligible	Reactivity in Water:	None
Appearance & Odor: White; powder; acrylic odor.			
Wt/Gal:Lbs (Sp Gr):	18.0 lbs/gal (2.16)	Evaporation Rate (BuAct=1):	N/A
Flash Point:	N/A	Flammable Limits in Air % by Volume (Lower/Upper):	N/A
ACGIH Threshold Limit Value (TLV) in PPM:	N/A	OSHA Permissible Exposure Level (PEL) in PPM:	10mg/M3
Extinguisher Media: Water fog; carbon dioxide; dry chemical.			
Fire Fighting Procedures: DO NOT use water, except as FOAM.			
Unusual Fire and Explosion Hazards: * Electrical grounding of equipment required to prevent possible dust explosion.			

SECTION IV - PHYSICAL HAZARDS

Stability:	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable
Conditions to Avoid:	Keep away from excessive heat or open flame.	
Hazardous Decomposition Products: Combustion will produce carbon dioxide and possibly carbon monoxide.		
Hazardous Polymerization: <input type="checkbox"/> May occur <input checked="" type="checkbox"/> Will not occur.		
Conditions to Avoid:	Keep away from excessive heat or open flame.	

**SECTION V - Health Hazards
Signs & Symptoms of Exposure and Routes of Entry**

Inhalation:	Irritant to respiratory tract. Prolonged breathing of dust may cause headache dizziness, nausea.
Skin:	Mild skin irritant; prolonged or repeated contact can cause defatting, dermatitis.
Ingestion	Not expected route of entry. Give conscious victim plenty of water, induce vomiting; get medical help.
Eyes:	May cause irritation (redness, tearing, burning) if dust present in excessive amount.

Product: Tint-Ayd PC 9003 Non-Chalking Titanium Dioxide

SECTION VI - SPECIAL PROTECTION INFORMATION
Emergency and First Aid Procedures

Inhalation:	If irritation of nose and/or throat develops, remove victim to fresh air. Get medical attention.
Skin:	Wash well with soap and water; remove contaminated clothing and wash before reuse.
Ingestion:	Induce vomiting, if victim is conscious. Get immediate medical attention.
Eyes:	Flush eyes with clean water for 15 minutes; get immediate medical attention.
Chemical Listed as Carcinogen or as Potential Carcinogen in (a) OSHA: No (b) IARC: No (c) National Toxicology Program: No	
If "Yes", explain:	
Respiratory Protection (Type):	NIOSH-approved respirator as required for organic dusts.
Ventilation:	Area should be well ventilated and equipped with adequate exhaust system.
Protective Gloves:	Impervious gloves.
Eye Protection:	Safety goggles or glasses.
Other Protective Clothing/Equipment:	Rubber apron; eye bath; safety shower.

SECTION VII - SPILL AND LEAK PROCEDURES

Storing/Handling:	Use spark-proof tools. Store material in cool, dry place.
Release or Spill:	Eliminate all ignition sources. Use spark-proof tools. Electrical grounding of equipment required to prevent possible dust explosion; keep dust to minimum. Suspended in air, this product could be flammable.
Waste Disposal:	Dispose of according to local, state and Federal regulations.

SECTION VIII - REGULATORY DATA

Heavy Metal Content (in PPM unless otherwise noted)					
ANTIMONY: <0.008	BARIUM: <0.40	COPPER: <0.31	LEAD: <0.66	SELENIUM: <0.008	
ARSENIC: <0.012	CADMIUM: <0.033	CHROMIUM: <0.66	MERCURY: <0.013	TIN: <1.955	
ZINC: <0.5	OTHERS: SOL BARIUM: <0.01; SOL CHROMIUM: <0.01; OTHERS: <0.565.				
SHIPPING CLASS (DOT/USA):	PAINT, NON HAZARDOUS. NO LABEL REQUIRED. UN No: NOT REQUIRED. DRUM TYPE: STEEL AND PLASTIC.				



Product: Tint-Ayd PC 9003 Non-Chalking Titanium Dioxide

Section VIII - Regulatory Data Continued...

CHEMICAL INVENTORIES:	All components are listed on TSCA (US), DSL (Canada) and EINECS (European Community). All components have been reported to ENCS (Japan), TCCL (Korea), and PICCS (Philippines).
EPA SARA TITLE III:	Any component subject to Section 313 is asterisked in Section II.
FDA STATUS:	The non-volatile portion of this product is cleared under the following Title 21 CFR Paragraphs: None
EXPLANATION OF ABBREVIATIONS:	N/A: Not Available/Not Applicable. N/D: Not Determined PPM: Parts Per Million

- WARNING:**
- This product contains chemicals known to the State of California to cause cancer.
 - This product contains chemicals known to the State of California to cause birth defects or other reproductive harm.
 - This product is not subject to reporting under California proposition 65.

Issue Date: 03 Mar 1995

Approved By: **PRODUCT SAFETY DEPARTMENT
ELEMENTIS SPECIALTIES**

Review Date: 13 Feb 1998 Revision/s: New Format

Review Date: 15 Jan 2002 Revision/s: No change

Review Date: _____ Revision/s: _____

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The data set forth in these sheets are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. **ELEMENTIS SPECIALTIES** makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereon. **ELEMENTIS SPECIALTIES** warrants only that its products conform with their published specifications, and no other express warranty is made with regard therefor. We do not guarantee favorable results, and we assume no liability in connection with the use of the products. They are intended for use by persons having technical skill and knowledge, at their own discretion and risk.