



ADVANCED POLYMER, INC.

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MT-500B

MT-500B is a micronized titanium dioxide with hydrophilic characteristics. In an aqueous medium MT-500B excels in retaining particle suspension.

CHARACTERISTICS

Shading effect from UV light:	Excellent
Transparency to visible light:	Excellent
Dispersibility in water:	Excellent
Light stability:	Excellent

APPLICATION

MT-500B was designed for the following applications:

- Cosmetics
- Paints
- Surface Treating Agents
- Packaging Materials
- Inks

PACKAGING

MT-500B is available in 8 oz. samples or 22 lb bags.

TYPICAL PROPERTIES

Appearance:	Fine white powder
TiO ₂ Content:	>96%
Main Modifiers:	None
Crystal Structure	Rutile:
Loss on Drying:	<1.5%
Particle Size:	35 nm
Property of Surface:	Hydrophilic

Advanced Polymer, Inc.

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I want to know more!

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Revised October 29, 2009

MT-500B

Section I Product Identity

Product Name:	MT-500B
Chemical Name/Family:	Micronized Titanium Dioxide with CI pigment white #6 CI#77891
CAS#	13463-67-7
24 Hour Emergency Number	800-424-9300
24 Hour Chemtrec Number	800-424-9300

All ingredients are listed in EPA's TSCA list of chemical substances

Section II Hazardous Components/Composition Information

CHEMICAL	Nuisance Dust			
CAS#: N/A	USOS: 15.0 mg/m ³	TWA : 10.0 mg/m ³	STEL :	PERCENT:
CHEMICAL	Respirable Dust			
CAS#: N/A	USOS: 5.0 mg/m ³	TWA : 5.0 mg/m ³	STEL :	PERCENT:

Section III Physical and Chemical Properties

Boiling Point	N/A
Specific Gravity (H ₂ O=1)	2.5-4.2
Vapor Pressure	N/A
Vapor Density (Air=1)	N/A
Percent Volatile By Weights	N/A
Evaporation Rate (BuAc=1)	N/A
Solubility in Water	Not Soluble
Appearance and Odor	White Powder, Odorless.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A
Flammable Limits in Air (% By Volume)	N/A
Extinguishing Media	Foam, Dry Chemical, CO ₂
Special Fire Fighting Procedures:	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment
Unusual Fire and Explosion Hazard	None

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	None
Incompatibilities	None
Hazardous Decomposition or By Products	None
Hazardous Polymerization	May Not Occur

Section VI Health Hazard Data

Primary Routes of Entry	Inhalation: Yes	Dermal: No	Ingestion: No
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity			
NTP: No	IARC Monograph: No	OSHA Regulated: No	

Signs and Symptoms of Exposure:

Skin Contact	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Ingestion	Although ingestion is unlikely, liquid may irritate upper digestive tract if swallowed. May cause severe irritation.
Inhalation	No information is available.

Medical Condition Generally Aggravated by Exposure

Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Call a physician.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled:

Soak up with sawdust, sand, oil dry or other absorbent material. .

Waste Disposal Method As in accordance with EPA and local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing.

Section IX Control Measures

Respiratory Protection:	Ventilation	Local exhaust	Required to meet threshold limits
		Mechanical	
		Special	
		Other	
Eye Protection:	Safety glasses should be worn		
Protective Gloves:	Rubber or plastic gloves should be worn		
Protective Clothing;	Rubber apron		
Other Protective Equipment:	Eye wash equipment and safety shower should be available. NIOSH approved respirator as needed		
Other Precautions:	Wash hands after use.		

Section X SARA Title III

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #

Chemical Name None

Percent by Weight None

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE DCOPIED AND DISTRIBUTED FOR THIS MATERIAL

Section XI Transportation Information

SHIPPING INFORMATION

Hazard Ratings

Health 1

Flammability 0

Reactivity 0

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Prepared By API

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Revised By API

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