

Material Safety Data Sheet

Date last reviewed: January 1, 2005

I. General Information

Chemical Name & Synonyms Proprietary Mixture	Trade Name & Synonyms CERTANA 1000
Chemical Family Coating	Formula Mixture
Proper DOT Shipping Name Not Regulated	DOT Hazard Classification N/A
Manufacturer Dumond Chemicals, Inc.	Manufacturer's Phone Number (212) 869-6350
Manufacturer's Address 1501 Broadway, New York, NY 10036	Emergency Number: (800) 457-4280

II. Ingredients

Principal Hazardous Components	CAS #	%	PEL	TLV
Titanium Dioxide	13463-67-7	1-5	15 mg/m ³ (total dust) TWA	10 mg/m ³ TWA
Aluminum Hydroxide	21645-51-2	5-10	5 mg/m ³ (respirable fraction) TWA	3 mg/m ³ (respirable fraction) TWA
Limestone	1317-65-3	10-20	5 mg/m ³ (respirable fraction) TWA	2 mg/m ³ (respirable fraction) TWA
Ester Alcohol	25265-77-4	1-5	None Established	None Established
Acrylic Polymer	Mixture	10-20	None Established	None Established

SARA 313: This product contains no chemicals that are regulated under SARA Title III, section 313.

III. Physical Data

Boiling Point (°F) Greater than 212°F	Specific Gravity (H ₂ O =1) 1.09
Vapor Pressure (mm Hg @ 25°C) Approximately 135 @ 78°F	Percent Volatile by Volume (%) 90%
Vapor Density (Air=1) Not determined	Evaporation Rate (Butyl Acetate =1) Not determined
Solubility in Water Dispersible	pH Not determined
Appearance & Odor Tan viscous liquid with a latex paint odor.	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) Not applicable	Autoignition Temperature Not applicable		
Flammable Limits	LEL N/A	UEL N/A	
Extinguishing Media Use media appropriate for the surrounding fire.			
Special Fire Fighting Procedures Wear full emergency equipment and NIOSH approved positive pressure SCBA. Cool fire exposed containers with water.			
Unusual Fire & Explosion Hazards At elevated temperatures containers may rupture.			
HMIS Ratings	Health: 1	Flammability: 0	Reactivity: 0

V. Health Hazard Data

OSHA Permissible Exposure Limit See Section II	ACGIH Threshold Limit Value See Section II
Carcinogen - NTP Program No	Carcinogen - IARC No
Symptoms of Exposure <u>Acute Effects:</u> Eyes: May cause slight irritation with redness and tearing. Skin: May cause slight irritation on prolonged contact. Inhalation: May cause slight irritation of the upper respiratory tract with coughing, headache and nausea. Ingestion: Swallowing large amounts may cause nausea and diarrhea. <u>Chronic Effects:</u> No adverse effects expected.	
Medical Conditions Aggravated By Exposure: Not expected to aggravate medical conditions based on available information.	
Primary Route(s) of Entry Eye, skin, inhalation, ingestion	
Emergency First Aid Eye: Immediately flush with water for 15 minutes. Get medical attention. Skin: Wash thoroughly w/soap & water. Remove contaminated clothing. Get medical attention for irritation. Inhalation: Remove to fresh air. If breathing has stopped give artificial respiration. Get medical attention. Ingestion: If conscious, rinse mouth out with water. Get medical attention.	

IV. Reactivity Data

Stability	X	Unstable Stable	Conditions to Avoid N/A
Incompatibility Avoid strong oxidizers.			
Hazardous Polymerization	X	May Occur Will Not Occur	Conditions to Avoid N/A
Hazardous Decomposition Carbon dioxide and carbon monoxide.			

VII. Environmental Protection Procedures

Spill Response Wear appropriate protective clothing. Collect with an absorbent material and place into a suitable container for disposal. Wash spill area with water. Keep from entering sewers and waterways.
Waste Disposal Method Dispose of in accordance with all state, local and federal regulations.

VIII. Special Protection Information

Eye Protection Chemical safety glasses if contact is likely.	Skin Protection Neoprene gloves for prolonged contact.
Respiratory Protection (Specific Type) None needed under normal use conditions with adequate ventilation.	Ventilation Recommended Good general ventilation should be adequate under normal conditions.
Other Protection None required.	

IX. Special Precautions

Hygienic Practices in Handling & Storage Store in a cool, well ventilated area away. Keep container closed when not in use.
Work Practices Avoid eye and prolonged skin contact. Wash thoroughly after handling. Keep from freezing.
Other Precautions Empty containers retain residue. Follow all MSDS precautions in handling empty containers.