

# Material Safety Data Sheet

Date last reviewed: January 1, 2008

## I. General Information

Chemical Name & Synonyms Proprietary Mixture	Trade Name & Synonyms Smart Strip
Chemical Family Organic Solvent Mixture	Formula Mixture
Proper DOT Shipping Name Not Regulated	DOT Hazard Classification Not Regulated
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	Other
Proprietary Ingredient	Proprietary	30-50	None Established	None Established	10 ppm TWA AIHA WEEL
Titanium Dioxide	13463-67-7	1-5	15 mg/m3 TWA	10 mg/m3 TWA	
Non-hazardous Ingredients	Proprietary	1-5	None Established	None Established	
Water	7732-18-5	40-60	None Established	None Established	

## III. Physical Data

Boiling Point (°F) Not available	Specific Gravity (H <sub>2</sub> O =1) 1.14	
Vapor Pressure (mm Hg @ 30°C) 0.1	Percent Volatile by Volume (%) 50%	
Vapor Density (Air=1) 3-4	Evaporation Rate (Butyl Acetate =1) Less than 1	
Solubility in Water Partial	pH Neutral	VOC 0%
Appearance & Odor White viscous liquid with a faint, aromatic odor.		

## IV. Fire & Explosion Hazard Data

Flash Point (Test Method) None	Autoignition Temperature Not available		
Flammable Limits	LEL Not available	UEL Not available	
Extinguishing Media Water spray or fog, foam, carbon dioxide, dry chemical.			
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. Decomposition products may be hazardous.			
HMS Ratings	Health: 2	Flammability: 1	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

<b>Symptoms of Exposure</b>			
<p><b>Acute Effects:</b> Eyes: Vapors may cause irritation. Direct contact may cause severe irritation with possible corneal damage. Skin: May cause irritation with dermatitis. Contact areas may become numbness. Prolonged contact may cause absorption with symptoms similar to inhalation. Inhalation: Vapors may cause irritation to upper respiratory tract. High concentrations may cause headache, coughing, difficulty in breathing, low blood pressure, fatigue, nausea and vomiting. Severe cases may cause respiratory and muscular paralysis, convulsions, narcosis and death. Ingestion: May cause gastrointestinal irritation, abdominal pain, headache, central nervous system depression, nausea, vomiting, diarrhea, low blood pressure and fatigue. Severe cases may cause symptoms similar to inhalation. Possible aspiration hazard. May cause mild to severe lung injury if aspirated into the lung during vomiting or swallowing.</p> <p><b>Chronic Effects:</b> Repeated skin contact may cause dermatitis.</p>			
<p><b>Medical Conditions Aggravated By Exposure:</b> Individuals with chronic respiratory or skin diseases may be at risk from exposure.</p>			
<p><b>Primary Route(s) of Entry</b> Eye, skin, inhalation, ingestion</p>			
<p><b>Emergency First Aid</b> Eye: Immediately flush eyes with water for 15 minutes. Get immediate medical attention. Skin: Wash thoroughly w/soap &amp; water. Remove contaminated clothing. Get medical attention if irritation develops. Inhalation: Remove to fresh air. Restore breathing. Get immediate medical attention. Ingestion: If conscious, give 2 glasses of water. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a person who is unconscious or convulsing.</p>			
<b>IV. Reactivity Data</b>			
Stability	X	Unstable Stable	Conditions to Avoid N/A
<p><b>Incompatibility</b> Strong acids, bases, strong oxidizers and reducing agents.</p>			
Hazardous Polymerization	X	May Occur Will Not Occur	Conditions to Avoid N/A
<p><b>Hazardous Decomposition</b> Thermal decomposition - carbon dioxide and carbon monoxide, oxides of nitrogen. May oxidize with air to form benzaldehyde and benzoic acid.</p>			
<b>VII. Environmental Protection Procedures</b>			
<p><b>Spill Response</b> Wear appropriate protective clothing. Remove all sources of ignition. Collect with an inert absorbent. Wash spill area with water. Prevent runoff from entering sewers or waterways. Report spills as required.</p>			
<p><b>Waste Disposal Method</b> Dispose of in accordance with all state, local and federal regulations.</p>			
<b>VIII. Special Protection Information</b>			
<p><b>Eye Protection</b> Chemical safety goggles/faceshield</p>		<p><b>Skin Protection</b> Butyl rubber gloves required.</p>	
<p><b>Respiratory Protection (Specific Type)</b> For spray application, a NIOSH approved organic vapor respirator with N95 particulate filter.</p>		<p><b>Ventilation Recommended</b> Good general ventilation is usually adequate. If exposure limits are exceeded, local exhaust may be required.</p>	
<p><b>Other Protection</b> Impervious apron, boots, safety shower, eye wash as needed.</p>			
<b>IX. Special Precautions</b>			
<p><b>Hygienic Practices in Handling &amp; Storage</b> Store in a cool, well ventilated area away from oxidizers and other incompatible substances.</p>			
<p><b>Work Practices</b> Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wash thoroughly after handling.</p>			
<p><b>Other Precautions</b> Use with appropriate protective equipment. Empty containers retain residue and may be hazardous.</p>			