

**MATERIAL SAFETY DATA SHEET · DBA PRODUCTS CO., INC. · PRODUCT #2720 · PAGE 1 OF 2**

**SECTION 1 - MANUFACTURER INFORMATION**

Manufacturer/Distr.	DBA Products Co., Inc. 22 Skokie Highway Lake Bluff IL 60044	Information #	1-708-234-8100
		Emergency #	1-800-255-3924 (Chem-Tel) 24 hours
		Emergency Inter'l #	1-813-979-0626 (Chem-Tel) 24 hours/Call Collect

**SECTION 1A - PRODUCT IDENTIFICATION**

Product name	DBA Wave Top Coat	LEGEND: Severe Hazard = 4 Serious Hazard = 3 Moderate Hazard = 2 Slight Hazard = 1 Minimal Hazard = 0	Hazardous Materials Identification System	
Product Description	Aqueous Polyurethane Dispersion		HEALTH	2
Product #	112720	FLAMMABILITY	1	
Revision Date	8/16/93	REACTIVITY	0	
		PROTECTION	B	

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL	CAS #	%	Exposure PPM	TLV MG/M3	SARA 313	NTP	IARC	65
M-Methyl Pyroliclinone (Manufacturer suggests 100 ppm)	872-50-4	<15	N/E*	N/E*	N/I	N/I	N/I	N/I
2-Butoxyethanol	111-76-2	<10	50ppm	N/I	N/I	N/I	N/I	N/I

\* None established

**SECTION 3 - HEALTH HAZARD DATA**

**HEALTH EFFECTS (Acute & Chronic):** Inhalation: TEA and MMP vapors are irritating to the eyes, nose and throat. Symptoms of irritation may include red, itchy eyes, dryness of the throat and tightness in the chest. Exposure to very high concentrations of MMP may cause headache, nausea, narcosis, fatigue and loss of appetite.

**Eye:** Liquid, aerosol and concentrated vapors of MMP and TEA are severely irritating and can cause pain, tearing, reddening and swelling of the eye. If left untreated corneal damage may occur and injury is slow to heal.

**Skin:** In a repeated insult patch test using MMP, 50 human subjects showed no irritation during the first 24 hour exposure. However, through repeated and prolonged contact, some mild transient reaction was noted. No evidence pointing to sensitization was noted.

**NOTES:** Chronic exposure to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include loss of memory, intellectual ability and coordination.

**EMERGENCY FIRST AID PROCEDURES:** Inhalation: Remove to fresh air. Administer oxygen or artificial respiration as needed. Get medical attention. Swallowing: DO NOT INDUCE VOMITING. Do not give anything by mouth to an unconscious person. Consult physician.

**Eye:** flush immediately with clean water (low pressure) for at least 15 minutes, while raising eyelids to insure flushing of entire eye surface. If irritation persists, consult physician.

**Skin:** Remove contaminated clothing. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse.

**PRIMARY ROUTE OF ENTRY:** Inhalation, skin contact (absorption), eye contact.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** No information.

**SECTION 4 - PHYSICAL, FIRE, EXPLOSION DATA**

Flashpoint (C):	N/A	Evaporation rate:	N/I	Boiling Point:	212°F
Vapor Density:	MMP:3.4 (air=1)	UEL:	12.2%	Weight per gallon:	9.17 lbs.
Specific Gravity:	1.1	LEL:	2.2%	% volatile by weight:	76%

Appearance & odor: Milky white liquid, slight solvent odor. Solubility in water: Soluble.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam or water.

**FIRE & EXPLOSION HAZARDS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** By fire; carbon monoxide, carbon dioxide, oxides of nitrogen.

**SPECIAL FIREFIGHTING PROCEDURES:** Full emergency equipment with self-contained breathing apparatus should be worn. During a fire irritating, toxic gases and smoke are present from combustion and decomposition. Closed containers may explode when exposed to extreme heat. Solid residue will support combustion after water has evaporated.

**SECTION 5 - REACTIVITY DATA**

**IS PRODUCT STABLE:** Stable under normal conditions.

**CONDITIONS TO AVOID FOR STABILITY:** N/I

**INCOMPATIBILITY (Materials to Avoid):** Strong oxidizing agents or reducing agents.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID FOR POLYMERIZATION:** Strong oxidizing agents.

**SECTION 6 - EXPOSURE CONTROL DATA**

**VENTILATION:** Exhaust ventilation sufficient to keep the vapor concentration of the hazardous constituents below the TLV level.

**RESPIRATORY PROTECTION:** None.

**PROTECTIVE EQUIPMENT:** Safety shower and eyewash station should be available in work area.

**Eyes:** Liquid chemical goggles or full face shield. Contact lenses should not be worn.

**Hands:** Chemical resistant gloves, cover as much of the exposed skin as possible.

**Clothing:** Chemical resistant apron should be worn to prevent repeated or prolonged skin contact.

**WORK PRACTICES:** Keep containers tightly closed when not in use.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water after using product.

**SECTION 7 - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition, ventilate spill area, dike or impound spilled material and control further spillage if possible. Notify proper authorities if necessary. Cover spilled material and control further spillage if possible. Notify proper authorities if necessary. Cover spilled material with sawdust, vermiculite or other absorbent material. Collect material in open containers, remove to safe place and cover. Flush spill area with water.

**WASTE DISPOSAL METHODS:** Waste must be disposed of in accordance with all federal, state and local environmental regulations.

**SECTION 8 - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in controlled temperature area where temperature is maintained between 41 and 90 degrees F. Protect from freezing. Keep containers tightly sealed when not in use.

**OTHER PRECAUTIONS:** Material is water based and will freeze at 32°F. MMP is a hygroscopic material.

**SECTION 9 - SHIPPING INFORMATION**

SHIPPING INFORMATION	U.S. D.O.T. INFORMATION	INTERNATIONAL INFORMATION
SHIPPING NAME	None	
HAZARD CLASS	Non-regulated	
U.N. NUMBER	None	
MARKINGS	Non-regulated	

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