

**MATERIAL SAFETY DATA SHEET  
FINISHES, COATINGS AND RELATED MATERIALS**

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**SECTION I: PRODUCT IDENTIFICATION**

PRODUCT NAME: PoloPlaz Zenith Semi, Satin & Satin-Matte  
 PRODUCT CLASS: Water Based Polyurethane/Acrylic Floor Finish

**SECTION II: HAZARDOUS INGREDIENTS**

Ingredient	CAS #	Weight Percent	SARA Title III	Vapor Pressure (mmHg)	Exposure Limits	LD50, Route, Species
1-Methyl-2-pyrrolidone	872-50-4	1-5%	311/312/313	0.29	TLV/ACGIH: 100 NIOSH: none listed	4150 mg/kg (orl-rat) 7000 mg/kg (skn-rat)
Dipropylene glycol methyl ether	34590-94-8	1-5%	311/312/313	0.40	100 ppm TWA (ACGIH 1991-92)	5135 mg/kg (orl-rat) 9500 mg/kg (drm-rbt)
Dipropylene glycol butyl ether	29911-28-2	1-5%	N/A	0.1	None listed	3700 mg/kg (orl-rat) 2160 mg/kg (orl-mse) 5157 mg/kg (skn-rbt)
N,N-Diethylethanamine	121-44-8	1-5%	311/312/313	400	OSHA PEL: 25 ppm(100 mg/m3) (TWA)-ACGIH (TLV): 1 ppm (TWA)skin 3 ppm (STEL) skin	450 mg/kg (orl-rat) 570 ul/kg (skin-rbt)
Amorphous Silica	7631-86-9	1-4%		none	OSHA-PEL: 80mg/m3	

**HMIS® Rating HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0**

CALIFORNIA PROPOSITION 65: This product contains no known chemicals known to the State of California to cause cancer or reproductive toxicity.  
 DOT SHIPPING NAME: Paint, Non Hazardous (NA1263)  
 DOT DRUM LABEL: None

**SECTION III: HAZARDS IDENTIFICATION**

THRESHOLD LIMIT VALUE: N/A

## ACUTE HAZARDS

**EYE & SKIN CONTACT:** Primary irritation to skin, defatting, dermatitis. Absorption through skin increases exposure. Primary irritation to eyes includes; redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

**INHALATION:** Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

**SWALLOWING:** Swallowing can cause abdominal irritation, nausea, vomiting, & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED:** Absorption thro skin may be harmful. Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs. Persons with severe skin, liver, heart, lung, or kidney problems should avoid use.

**CANCER HAZARD:** This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date, greater than or equal to 0.1%.

## SECTION IV: FIRST AID MEASURES

**EYE CONTACT:** Immediately flush with plenty of water for 15 minutes & call a physician.

**SKIN CONTACT:** In case of contact with skin, wash thoroughly with soap and water. Remove & wash contaminated clothing before reuse. (Discard contaminated shoes.)

**INHALATION:** Remove victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Call a physician immediately.

**SWALLOWING:** Call a Physician immediately. Induce vomiting promptly using Physician's instructions. Never give anything by mouth to an unconscious person.

## SECTION V: FIRE FIGHTING MEASURES & DATA

**LOWER FLAMMABLE LIMIT IN AIR (% BY VOLUME):** 1.1 (Lowest component)

**FLASH POINT (TEST METHOD):** None

**EXTINGUISHING MEDIA:** Use carbon dioxide or foam extinguishers.

**SPECIAL FIRE FIGHTING PROCEDURES:** Water vapor may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear (helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive pressure, self-contained breathing apparatus.

## SECTION VI: ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Dispose of collected materials according to Federal, State, & Local Regulations. **WASTE DISPOSAL METHOD:** Recycle or dispose of observing Federal, State, & Local Regulations. If questions exist, contact the proper agencies.

## SECTION VII: HANDLING & STORAGE

**HANDLING:** Use only with adequate ventilation. Avoid prolonged or repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA standard goggles or face shield. Consult Safety equipment supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

**STORAGE:** Keep container tightly closed & upright when not in use to prevent leakage. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions. Isolate from oxidizers, heat & open flame.

## SECTION VIII: EXPOSURE CONTROLS & PERSONAL PROTECTION

**EXPOSURE CONTROLS:** If engineering controls do not maintain airborne concentrations below recommended

exposure limits, an approved respirator must be worn. Respirator type: organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

VENTILATION: Use local, general & mechanical exhaust necessary to keep vapor levels below TLV.

PERSONAL PROTECTION: Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

#### **SECTION IX: PHYSICAL DATA**

APPEARANCE: Liquid, white

ODOR: mild

BOILING RANGE: 212-342°F

SPECIFIC GRAVITY: 1.03

POUNDS/GALLON: 8.7

VOC's : 2.29lbs/gall 275gms/ltr

VAPOR PRESSURE: 10.6 mm HG @ 20°C

VAPOR DENSITY: .8

% VOLATILE BY VOLUME: 64

#### **SECTION X: REACTIVITY DATA**

STABILITY: stable

MATERIALS & CONDITIONS TO AVOID: isolate from oxidizers such as permanganates, chromates, & peroxides, heat, & open flame. Do not allow product to freeze.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, carbon dioxide from burning.

HAZARDOUS POLYMERIZATION: will not occur

#### **OTHER COMMENTS**

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