

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

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SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME: PoloPlaz Fast Dry Stain & Seal - (All Colors)
PRODUCT CLASS: Polyurethane Hardwood Floor Stain
HMIS® Rating: Health=1 Flammability=2 Reactivity=0
DOT CLASSIFICATION: Paint Related Material, Non Hazardous, NA1263
TSCA: All components of this product are listed with TSCA.

SECTION II HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS#:</u>	<u>% BY WEIGHT</u>	<u>REGULATION</u>	<u>EXPOSURE LIMITS (PPM)</u>
Light Aliphatic Solvent Naphtha	64742-88-7	50-60	311,312	100 ACGIH
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-95-6	5-10	311,312	50 TWA/ACGIH
Stoddard Solvent	8052-41-3	0-5	311,312	100 TLV/ACGIH 500 PEL/OSHA
Red Iron Oxide	001309-37-1	0-7		10 mg/m ³ Fe, TWA-OSHA 5 mg/m ³ Fe, TWA-ACGIH
Yellow Iron Oxide	051274-00-1	0-5.0		10 mg/m ³ Fe, TWA 5 mg/m ³ Fe, STEL
Ferric Oxide	1309-37-1	0-10		5 mg/m ³ (TLV/ACGIH) 10 mg/m ³ (PEL/OSHA)
Xylene (Mixed Isomers)	1330-20-7	0.0-1.4	311,312,313	100 TWA/ACGIH 100 FED PEL 150 STEL/ACGIH 100 NIOSH
Manganese Trioxide	001317-34-6	0.0-2.2		5 mg/m ³ Mn, OSHA 0.2 mg/m ³ Mn, TWA-ACGIH
C.I. Pigment Yellow 42	51274-00-1	0-0.6		5 mg/m ³ Fe, TLV/ACGIH 10 mg/m ³ Fe, PEL/OSHA
1,2,4-Trimethylbenzene	95-63-6	0.0-0.6	311,312,313	25 TWA/ACGIH 25 FED PEL
Ethyl Toluenes	25550-14-5	0.0-0.3	311,312,313	n/e

Manganese Dioxide	001313-13-9	0-0.6		5 mg/m3 Mn, Ceiling OSHA 0.2 Mn, TWA ACGIH
Ethyl Benzene	100-41-4	0.0-0.1	311,312	100 TWA/ACGIH 100 FED PEL 125 STEL/ACGIH
Silica, Crystalline (quartz)	014808-60-7	0.0-1.0		0.1 mg/m3 TWA-OSHA resp
Aluminum Oxide	001344-28-1	0-1.0		15 mg/m3 TWA-OSHA 10 mg/m3 TWA-ACGIH
Carbon Black	001333-86-4	0-0.5		3.5 mg/m3 TWA-OSHA 3.5 mg/m3 TWA-ACGIH
Talc, Magnesium silicate Hydrate	014807-96-6	0-0.5		20 mg/m3 TWA-OSHA 2 mg/m3 TWA-ACGIH

SECTION III: PHYSICAL DATA

BOILING POINT: 281-384°F
 % VOLATILE BY WEIGHT: 62
 SPECIFIC GRAVITY: 0.86
 VOLATILE ORGANIC CONTENT (VOC): 545.38 GRAMS/LITER 4.55 LBS/GALL
 APPEARANCE AND ODOR: Clear Amber Liquid
 SOLUBILITY IN WATER: essentially nil
 EVAPORATION RATE (N-BUTYL ACETATE = 1): slower than n-butyl acetate
 VAPOR PRESSURE (MM HG @ 68°F): ND

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 103°F (Lowest Component)
 FLAMMABILITY CLASS: Combustible
 LEL: 1.0 UEL: 7.0
 EXTINGUISHING MEDIA: Use foam, carbon dioxide, or chemical fire fighting apparatus. Spill debris containing this product is subject to federal hazardous waste disposal regulations as a flammable (D001) hazardous waste and may be subject to incident reporting requirements.
 SPECIAL FIRE FIGHTING PROCEDURES: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.
 FIRE PREVENTION: When containers are open or during application keep away from open flames, sparks, electric motors and all sources of ignition. Extinguish all pilot lights, turn off electrical equipment and disable hot water heaters, furnaces and the like.
 DANGER: Rags, steel wool and other wastes soaked with oil finishes may spontaneously catch fire if improperly discarded. Place rags, steel wool and other waste in a sealed, water-filled metal container immediately after use. Dispose of in accordance with local fire regulations. KEEP OUT OF REACH OF CHILDREN.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II
 EFFECTS OF OVEREXPOSURE:

OVERVIEW: Signs or symptoms of overexposure to this product may include headache, mild narcotic effects, fatigue, lassitude, loss of coordination, loss of consciousness, irritability, flatulence, gastrointestinal distress, nausea or vomiting, watery eyes or tearing, burning sensation in the eyes, severe irritation of the eye, dermatitis or skin rashes, asthmatic symptoms, chest tightness, severe respiratory irritation, anorexia and irritation of mucous membranes.

EYE CONTACT: Severe irritation, redness, tearing, and blurred vision.

SKIN CONTACT: Components of this product may be irritating to the skin. Components of this product can be absorbed through intact skin.

INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High concentrations may result in narcosis. This product is a potential respiratory and skin sensitizer.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonia which can be fatal.

CHRONIC OVEREXPOSURE: Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys. Birth defect hazard: Contains a component that can cause birth defects or affect the fetus during pregnancy. Affects the blood and / or bone marrow causing either aplastic anemia, leukopenia or other blood abnormalities.

MEDICAL CONDITIONS AGGRAVATED: Heart conditions, particularly those with abnormal heart rhythms. Respiratory conditions in particular asthmatic conditions and allergies. May affect persons having low white cell counts and / or suffering from anemia. Skin conditions such as dermatitis and acne.

EMERGENCY AND FIRST AID PROCEDURES

PRIMARY ROUTE (S) OF ENTRY: Inhalation and skin contact.

EYE CONTACT: Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Dispose of contaminated clothing. Once thoroughly washed, seek medical attention immediately. Components can be absorbed through intact skin resulting in toxic effects.

INHALATION: Remove victim to fresh air. Apply artificial respiration or administer oxygen, if necessary. Seek medical attention immediately.

INGESTION: Although not typically an industrial route of exposure, this product is poisonous and immediate medical attention is necessary. Contact the nearest poison control center and follow the directions they provide.

This product does not contain 0.1% or more of any substance listed as a carcinogen by NTP, IARC, or OSHA.

SECTION VI: REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents. Avoid storing near or combining with strong caustics, strong oxidizers, water, alcohol, ammonia, amines and direct flame. Reaction decomposition products include carbon dioxide and monoxide, irritating vapors and water.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment (see Section VIII). Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to safe area and seal.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with Federal, State, and Local environmental regulatory controls.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: 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: Local exhaust must be sufficient to keep airborne vapor concentrations below the TLV limit. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PROTECTIVE GLOVES: Chemical resistant gloves.

EYE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DRUMS: Protect against physical damage. Outside or detached storage preferred.

BULK: Storage should be in standard flammable liquid storage tanks.

OTHER PRECAUTIONS: All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparing tools.

OTHER COMMENTS

We recommend containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable Federal, State, and Local laws and regulations. Empty drums should not be given to individuals.

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