

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

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SECTION I : PRODUCT IDENTIFICATION

PRODUCT NAME: PoloPlaz Prism Hybrid Urethane Finish Gloss
PRODUCT CLASS: Water Based Polyurethane Floor Finish

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT: Dipropylene Glycol Methyl Ether CAS#: 034590-94-8
WT%: 5 - 9 % REG SECTION: 313
RQ (LBS): n/a TWA/OSHA: 100 ppm
VAPOR PRESSURE (MM HG @ 68°F): 0.6 STEL: 150 ppm

INGREDIENT: 1-Methyl - 2 - Pyrrolidinone CAS#: 872-50-4
WT%: 3 - 7% REG SECTION:
RQ (LBS): n/a TWA/OSHA: n/e
VAPOR PRESSURE (MM HG @ 68°F): 0.29

INGREDIENT: N,N-Dimethylethanolamine CAS#: 108-01-0
WT%: 0 - 2 % REG SECTION:
RQ (LBS): n/a TWA/OSHA: 5 ppm
VAPOR PRESSURE (MM HG @ 68°F): 4 STEL/ACGIH: 10 ppm

INGREDIENT: 2-Butoxyethanol CAS#: 111-76-2
WT%: 0 - 0.2 % REG SECTION: 313
RQ (LBS): n/a TWA/OSHA: 25 ppm
VAPOR PRESSURE (MM HG @ 68°F):

HMIS® Rating HEALTH: 1 FLAMMABILITY: 0 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

TSCA: All components of this material are included on the TSCA inventory of Chemical Substances. N-Methyl pyrrolidone is the subject of an enforceable consent agreement concerning health effects testing un Toxic Substances Control Act (TSCA) Sec 4(a) (40 CFR 799.5000). As a result, any export of this product is subject to TSCA Sec 12(b) notification requirements (40 CFR 707.60). Reports to U.S. EPA should reference n-Methyl Pyrrolidone (CAS# 872-50-4).

SECTION III: HAZARDS IDENTIFICATION

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

THRESHOLD LIMIT VALUE: N/A

CONTAINS: Dipropylene Glycol Methyl Ether and N-Methyl Pyrrolidone

ACUTE HAZARDS

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

INHALATION: 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 through 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%.

TOXICITY: NMP is reported to be fetotoxic and teratogenic by dermal but not inhalation exposure. Rats exposed to an aerosol - vapor mixture of NMP at 1.0 mg/l for 6 hr/day, 5 day/week for 4 weeks developed excessive mortality, focal pneumonia, bone marrow hypoplasia and atrophy of lymphoid tissue.

N-Methyl Pyrrolidone

May cause severe eye irritation. Prolonged exposure may cause skin irritation. LD(50), oral-rat: 4200 mg/kg; LD(50) skin-rabbit: 8000 mg/kg. Teratogenic effects: Male and female rates exposed orally to 500 mg/kg/day in feed for 10 weeks before mating and throughout pregnancy: fetoletality. In earlier study, 300 mg/kg/day was a clear no effect.

N,N-Dimethylethanolamine

Primary irritant to mucous membranes and eyes. Toxic by ingestion and skin absorption. LD(50), oral-rat: 2 g/kg; LD(50) skin-rabbit: 137 mg/kg; LCL(0), inhalation-rat: 1641 ppm/4hr.

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. 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.

SECTION VIII: EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE CONTROLS: Ventilate to keep vapors of this material below 15 ppm. If over TLV, use NIOSH approved positive-pressure, self-contained breathing apparatus according to 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

BOILING RANGE: 192-396° F

POUNDS/GALLON: 8.77

VAPOR PRESSURE: 10.6 mm HG @ 20°C

% VOLATILE BY VOLUME: 72%

ODOR: mild

SPECIFIC GRAVITY: 1.05

VOC's : 2.01 lbs/gall 250.54gms/ltr

VAPOR DENSITY: 0.8

SECTION X: REACTIVITY DATA

STABILITY: stable

MATERIALS & CONDITIONS TO AVOID: isolate from oxidizers such as permanganates, chromates, & peroxides, heat, & open flame.

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

HAZARDOUS POLYMERIZATION: will not occur

OTHER COMMENTS

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