

Material Safety Data Sheet

PERMA•CRETE®

MANUFACTURER'S NAME:

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SECTION I-PRODUCT IDENTIFICATION

PRODUCT NAME: PERMA•SEAL STAIN SEALER (TYPICAL)

SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	OSHA PEL	VAP/PRESS	% IN PROD.
1-BUTOXY-2-PROPANOL	5131-66-8	N/D	0.6 mm Hg	3.51
GLYCOL ETHER (EP)*	2807-30-9	50.00 PPM	1.2 mm Hg	2.63
BUTYL BENZYL PHTHALATE	85-68-7	5.00 MG/M3	0.0 mm Hg	1.76
ESTER ALCOHOL	25265-77-4	N/D	1.0 mm Hg	1.33

(* Subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372. Distribution of this product must be accompanied by a copy of this MSDS.

SECTION III-PHYSICAL DATA

BOILING RANGE:	132° - 471° F	EVAPORATION	
VAPOR DENSITY:	Heavier than air	RATE:	50.64 (Ethyl Ether =1)
WT/GAL:	9.36 (1121 g/l)	% VOLATILE VOLUME:	45.10
VOC W/ WATER:	0.75 (89 g/l)	% WEIGHT SOLIDS:	59.86
VOC W/OUT WATER:	1.17 (140 g/l)		

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:	Slightly combustible - Class 111B
FLASH POINT:	200° F
EXTINGUISHING MEDIA:	Foam, Alcohol Foam, CO ₂ , Dry Chemical, Water, Other
SPECIAL FIRE FIGHTING PROCEDURES:	Respiratory equipment should be worn to avoid inhalation of concentrated vapors
UNUSUAL FIRE & EXPLOSION HAZARDS:	Material does not support combustion
HMIS CODES:	H - 2; F - 1; R - 0; PP - 1

SECTION V-HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation: Yes Skin: Yes Ingestion: Yes
EFFECTS OF OVEREXPOSURE:

INHALATION: Dizziness, breathing difficulty, headaches, loss of coordination, unconsciousness, and death. EYE CONTACT: Severe irritation, tearing, redness, blurred vision, and blindness. SKIN CONTACT: Irritation and dermatitis. INGESTION: Can cause gastrointestinal irritation, vomiting, nausea, diarrhea, and death.

SECTION V-HEALTH HAZARD DAT-Cont'd.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting

FIRST AID:

INHALATION: Move exposed person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.

EYE CONTACT: Flush with large quantities of water for 15 minutes.

SKIN CONTACT: Wash thoroughly with soap and water and see a doctor.

INGESTION: Contact physician immediately.

SECTION VI-REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide, oxides of nitrogen.

INCOMPATIBILITY

(MATERIALS TO AVOID): Alkaline materials, strong acids and oxidizing materials.

SECTION VII-SPILL AND DISPOSAL PROCEDURES

SPILL RESPONSE: Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid.

RECOMMENDED DISPOSAL: Collect absorbent/spilled liquid mixture into metal containers. Consult local, state and federal hazardous waste regulation before disposing into approved hazardous waste landfills. Obey relevant laws.

SECTION VIII-SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: When spraying this material use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne and vapor concentration below the time-weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus.

VENTILATION: General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment should be explosion proof.

PROTECTIVE GLOVES: Impermeable chemical handling gloves for skin protection.

EYE PROTECTION: Use chemical safety glasses, goggles, and face shields for eye protection.

OTHER PROTECTIVE EQUIPMENT: Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps whenever possible is strongly recommended.

HYGIENIC PRACTICES: Eye washes and safety showers in the workplace are recommended.

SECTION IX-SPECIAL PRECAUTIONS

RECOMMENDED STORAGE: Use non-sparking utensils when handling this material. Avoid hot metal surfaces. Use in cool, well ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames.

OTHER PRECAUTIONS: Smoking in areas where this material is used should be strictly prohibited.

Abbreviations: N/D - Not Determined

N/A - Not Applicable

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