

Safety Data Sheet

Penetrating Concrete Sealer – 107P

SECTION 1: PRODUCT AND COMPANY INFORMATION

Supplier/Manufacturer Instacoat Premium Products, 5920 N. Huron Ave., Oscoda, MI 48750
Company Contact Anthony Miriani (877) 552-6724, amiriani@Instacoat.com
Telephone (877) 552-6724 **Fax** (586) 932-3328
Product Name(s) Penetrating Concrete Sealer – 107P
Chemical Family Modified potassium silicate solution **CAS Number** Mixture
Emergency Contact / Number CHEMTREC 1-800-424-9300; Instacoat Safety Office (877) 552-6724

SECTION 2: HAZARD IDENTIFICATION

Hazards Serious eye damage/eye irritation Category 2B - Causes eye irritation **Signal Word** WARNING

Precautionary Statements

Wash hands or other contact areas thoroughly after handling. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. **If eye irritation persists:** Get medical advice/attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component%
Potassium silicate	1312-76-1	1-10
Non-hazardous components	Mixture	Balance

SECTION 4: FIRST AID MEASURES

Skin Contact: Flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Discard or launder before reuse. Seek medical advice or assistance if adverse symptoms occur and continue.

Eye Contact: Immediately flush with cold water for 15 minutes. Obtain medical advice or assistance. Bring SDS and other documentation.

Inhalation: Remove to fresh air. If breathing is difficult, seek immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Wash out mouth with water and give 1 – 2 cups (half a pint) of water to drink. Seek medical attention immediately.

Most Important Symptoms and Effects (acute and delayed): Symptoms of eye irritation include pain, tearing, reddening and swelling. Skin irritation symptoms include pain or itching, rash and redness. Symptoms of respiratory irritation include runny nose, sore throat, cough, chest discomfort, shortness of breath and reduced lung function.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Product does not burn. Use water spray, dry chemical, foam or CO₂ as applicable for burning materials.

Special Firefighting Procedures: Clear fire area of unprotected and untrained personnel. Do not enter confined fire space without full equipment and a positive pressure NIOSH approved self-contained breathing apparatus.

Unusual Firefighting Hazards: Spray mist causes respiratory tract irritation.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate release area and keep unnecessary or untrained people away. Floor and surfaces may be slippery. See Section 8 for personal protection gear.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways.

Methods for Cleaning Up: Stop source of leak. Contain by diking or impounding. Absorbents can be used to contain spill. Can be collected for disposal. Advise authorities if significant amounts of product enter a sewer or water source. Assure conformity with local, state, and federal governmental regulations for disposal.

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SECTION 7: HANDLING AND STORAGE

Handling: Use face shield and gloves to avoid irritation. Avoid inhaling mist or vapors, getting into eyes, skin or clothing. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before reuse. See Section 8 for further worker protection information.

Storage: Store in a well-ventilated area with safety showers and eye wash fountain within direct access. Normal warehouse storage in a closed container is adequate. Storage temperature should be above freezing and below 120 °F. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. Drain equipment and flush with water to clean. **CAUTION:** Can etch glass if not promptly removed.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	CAS#	OSHA PEL	ACGIH TLV
Potassium silicate	1312-76-1	Not Established	Not Established

Engineering Controls: Use local or general exhaust if necessary to maintain good air quality.

General Hygiene: Skin contact and the breathing of mists, fumes, or vapors should be reduced to a minimum to avoid any ill effects. Thoroughly wash exposed skin areas after work to avoid irritation.

Eye and Face Protection: Safety goggles or chemical splash goggles should be worn. Use face shield if splashing can occur such as when pouring large amounts.

Skin Protection: Wear body-covering clothes to avoid prolonged or repeated contact. A single prolonged skin exposure is unlikely to cause skin irritation or absorption through the skin in harmful amounts. Discard or launder contaminated clothing before reuse.

Respiratory Protection: Respiratory protection is not normally required under normal conditions with adequate ventilation. Use respirator for dust and mist if high mist levels are expected.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Thin liquid	Flash Point	Not Applicable
Specific Gravity (Water=1)	1.08 (approx., 68 °F)	Upper Flammability Limits	Not Applicable
Evaporation Point	Not Determined	Lower Flammability Limits	Not Applicable
pH (typical)	11.3	Auto-ignition Temperature	Not Applicable
Solubility in Water	Complete	Decomposition Temperature	Not Applicable
Odor	None	Vapor Pressure	20 mm @ 77 °F (water)
Odor Threshold	Not Determined	Vapor Density (Air=1)	>1.0
Melting/Freezing Point	Not Determined	Partition Coefficient (n-octanol/water)	Not Determined
Boiling Range	212 °F (approx.)	Viscosity	100 mPa*s (approx.)
Initial Boiling Point	212 °F (approx.)	Critical Temperature	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Generates heat when mixed with strong acids, may generate ammonia gas in contact with ammonium salts, may generate hydrogen gas (flammable) in contact with aluminum, tin, lead or zinc.

Hazardous Decomposition / Byproducts: None known

Hazardous Polymerization: Will not occur

Polymerization Conditions to Avoid: Not Applicable

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SECTION 11: TOXICOLOGICAL INFORMATION

Specific toxicity tests have not been conducted on this mixture. In accordance with OSHA's Hazard Communication Standard 1910.1200, this mixture is assumed to have the same health hazards as its significant components. None of the product's ingredients are found on any lists of hazardous, carcinogenic or banned chemical agents or materials generated by them. See Section 4 for significant exposure symptoms.

Likely Routes of Exposure: Skin, eyes, inhalation

Inhalation: Breathing vapors, fumes, or mists may cause irritation to nasal and respiratory tract.

Eye Contact: Contact can cause minor irritation to the eyes. Prolonged exposure to mists may cause more serious irritation, redness, and tearing.

Skin Contact: Skin contact with liquid or mists may cause irritation or redness.

Ingestion: Ingestion of liquid or mists may cause irritation.

Carcinogenicity: No components are found to be carcinogens by NTP, IARC or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Specific environmental tests have not been conducted on this mixture. The product is not classified as an environmental hazard based on its main components. Some risk to surrounding vegetation during application. Overspray on non-targeted areas should be removed with soap and/or water.

Ecotoxicity	Not Determined
Mobility	Not Determined
Degradability	Not Determined
Bioaccumulation	Does not occur

SECTION 13: DISPOSAL CONSIDERATION

The material is non-hazardous waste. Small quantities may be cleaned with soap and water and then flushed to a sanitary or industrial sewer. Absorbent material containing small amounts of the material may be disposed in appropriate landfills. Disposal of large quantities should comply with applicable disposal permits. Do not introduce large amounts into purification plants and waterways.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA Status: All components are listed in the TSCA inventory.

SARA 302/304 Extremely Hazardous Substances: Not Applicable

SARA 311/312 Reporting Categories: None

SARA 313 Reportable Ingredients: None

Additional Information: None of the components in this product require notification of the National Response Center under the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) per 40 CFR 302.4. None of the components in this product require reporting under Superfund Amendment and Reauthorization Act of 1986 (SARA) Title III as emergency planning or release reporting per 40 CFR 355 (used for SARA 302, 304, 311 and 312). The components also do not require annual reporting as a toxic chemical under SARA Title III per 40 CFR 372 (for SARA 313). This product contains no chemicals subject to SARA Title III, Section b-13, Part 372 reporting requirements.

Does not contain any components listed on Massachusetts or Pennsylvania RTK lists; does not contain any components listed on California Proposition 65.

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SECTION 16: OTHER INFORMATION

NFPA Rating 1-0-0 **HMIS** 1-0-0
Department Issuing SDS: Health and Safety

Further Information: All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC. The data and recommendations herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty or guarantee of their accuracy is made and the products are distributed without warranty, expressed or implied, included the limited warranties of merchantability of fitness for particular purpose.

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