



Material Safety Data Sheet

Surface Sol

MSDS No. CP-1514

Date of Preparation: 5/2000

Revision: 6/2005

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Surface Sol Concrete Retarder

Chemical Formula: Mixture

CAS Number: N/A

Other Designations: None

General Use: This product is intended to retard the curing process of concrete, thus allowing a rough washed affect.

Manufacturer: Perk Products & Chemical Co., Inc., 45 Industry Street, P.O. Box 100585, Nashville, TN 37224

Office: (615)242-6157 Fax: (615)242-1276

HMIS

H #

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PPE†

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Trade Secret	1310-73-2	15
Trade Secret	00000-00-0	0.025
Water		

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Trade Secret	1 ppm 3 mg/m ³	### ppm ### mg/m ³ or none estab.	1 ppm 3 mg/m ³	### ppm ### mg/m ³ or none estab.	### ppm ### mg/m ³ or none estab.	### ppm ### mg/m ³ or none estab.	### ppm ### mg/m ³ or none estab.
Trade Secret	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

Toxicity Data:

Section 3 - Physical and Chemical Properties

Physical State: Stable

Appearance and Odor: Green liquid w/ mild bland odor

Odor Threshold: None

Vapor Pressure: N/A

Vapor Density (Air=1): Air

Formula Weight: 8.7 lbs/gal

Density:

Specific Gravity (H₂O=1, at 4 °C): 1.09

pH: Neutral

Water Solubility: Excellent

Other Solubilities: Same

Boiling Point: N/A

Freezing/Melting Point: 32 degrees

Viscosity:

Refractive Index: N/A

Surface Tension: N/A

% Volatile:

Evaporation Rate:

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: N/A

Autoignition Temperature: N/A

LEL:

UEL:

Flammability Classification: N/A

Extinguishing Media: Water

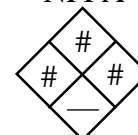
Unusual Fire or Explosion Hazards: None known

Hazardous Combustion Products: N/A

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

NFPA



Section 5 - Stability and Reactivity

Stability: Surface Sol is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: None known

Conditions to Avoid:

Hazardous Decomposition Products: N/A

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes:

Target Organs:

Acute Effects

Inhalation: None known

Eye: Irritant

Skin: Can cause a reversible inflammatory effect on skin or tissue at the site of contact.

Ingestion: Can cause sickness. Consult a physician immediately.

Carcinogenicity: IARC, NTP, and OSHA do not list Surface Sol as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure:

Chronic Effects:

Emergency and First Aid Procedures

Inhalation: Move victim to fresh air. If breathing has stopped, give artificial respiration and get immediate medical attention.

Eye Contact: Rinse eyes thoroughly with water for at least 15 minutes. Consult a physician.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. If symptoms persist, consult physician.

Ingestion: Give large amounts of water and get medical attention immediately, if necessary.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: none

Special Precautions/Procedures: None known

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Collect spill with absorbent material and transfer to suitable storage container. Avoid contact.

Small Spills: Clean up with absorbents.

Large Spills: Same

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: With absorbents.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: None

Container Cleaning and Disposal: Dispose of in accordance with local, state, and Federal regulations.

Ecological Information: None known.

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), ?? lb (?? kg)

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.????)

State Regulations:

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Special Precautions and Comments

Handling Precautions:

Storage Requirements:

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Surface Sol

Shipping Symbols:

Hazard Class:

ID No.: CP-1514

Packing Group: 2

Label:

Special Provisions (172.102):

Packaging Authorizations

a) **Exceptions:** N/A

b) **Non-bulk Packaging:** N/A

c) **Bulk Packaging:** N/A

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:**

b) **Cargo Aircraft Only:**

Vessel Stowage Requirements

a) **Vessel Stowage:**

b) **Other:**

Prepared By: Perk Products & Chemical Co., Inc.

Revision Notes:

Disclaimer: IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Perk Products & Chemical Co. Inc.** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.