THANK YOU FOR CHOOSING

HELIX
COLOR SYSTEMS

Before beginning any project, please review the enclosed training and materials packets in full, including:

- TECH DATA SHEET
- SAFETY DATA SHEET

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HELIX COLOR SYSTEMS

TECH DATA SHEET

Cleaners, Strippers and Accessory Products

SEALER STRIPPER

TECH DATA SHEET

Helix Color Systems is a premier line of specialty decorative concrete systems manufactured for the professional installer. Specializing in custom colors, specialty products, and superior service, Helix Color Systems offers an innovative alternative in the decorative concrete industry.

DESCRIPTION

Helix Sealer Stripper removes sealer, paint, and any type of coating from concrete surfaces without harming the substrate. Helix Sealer Stripper works on acrylic, varnish, latex, lacquer, urethane, epoxy and most any type of coating.

PRODUCT BENEFITS

- This product quickly and efficiently emulsifies and strips most all sealers and coatings.
- Helix Sealer Stripper is safe to use on all colored or imprinted concrete.
- Helix Sealer Stripper contains methylene chloride and aggressively removes coatings and sealers.

PRE-APPLICATION

1. Before applying, test Helix Sealer Stripper in an inconspicuous area to ensure compatibility. For any questions regarding compatibility with existing surface, consult ChemSystems, Inc.
2. **Important Note:** Be careful not to walk on areas where Helix Sealer Stripper is being applied as the product can be slippery underfoot. If you have to walk on area, wear slip-resistant footwear.

APPLICATION TO CONCRETE

1. Test a small area for results before application.
2. Roll Stripper on concrete. Allow to sit for 10 minutes. If exterior, power wash residue away with water. For interior, use a scrub brush and a flat blade. Do small areas of no more than 100 square feet at a time. Stubborn coatings will require multiple applications of stripper.
3. Clean with Helix Concrete Degreaser and rinse with clean water.

Note: Timing is critical. Watch for film to lift. Removing too soon will leave coating. If left too long, coating will dry and re-seal.

LIMITATIONS AND PRECAUTIONS

- Do not use on resilient surfaces such as vinyl or vinyl composition tile.

Caution: Use safety glasses, rubber gloves, and respirator. Clothe all areas of your body. Avoid breathing vapors. Pre-soak with water and cover any plants that may come in contact with stripper or its residue.

Storage: Store in cool shaded area. Helix Sealer Stripper will develop unsafe pressure in hot areas and will boil at 105°F.

First Aid: If any of the following conditions persist, contact medical personnel immediately.

- INHALATION: If breathing becomes labored, move to fresh air.
- EYE CONTACT: If eyes are contacted, immediately flush with water.
- SKIN CONTACT: Product is irritating to skin. If contact occurs wash with water and mild soap.
- INGESTION: Contact Physician, Poison Control, or Hospital Emergency Room immediately.

NFPA/HMIS

Health 2 Moderate	Flammability 1 Slight
Reactivity 1 Slight	Protection I Use Glasses, Gloves, & Respirator

SHELF LIFE AND STORAGE

Helix Sealer Stripper has a shelf life of one year. Store indoors, away from heat and direct sunlight. Do not allow to freeze.

COVERAGE RATES AND DRYING TIMES

Coverage rates may vary depending on surface porosity, texture, age and condition of the concrete, the application method, and other local conditions.

- Use as approximately as many gallons of Helix Sealer Stripper as gallons of sealer that were applied. If coatings are unknown use approximately 100 –200 square feet per gallon.

PACKAGE SIZES

Helix Sealer Stripper is available in 1- and 5-gallon units.

APPLICABLE STANDARDS

Helix Sealer Stripper complies with ASTM D3209-82 for freeze/thaw stability for a minimum of three cycles.

TECHNICAL DATA

Please refer to the corresponding MSDS for hazard-related information.

Color/Odor	Light straw sweet solvent
Detergent Type	Nonionic
Solubility in Water	Miscible
pH	8±0.5
Surface Tension	29 dynes per centimeter
Specific Gravity	0.97 (H2O=1)
Density	8.1 pounds per gallon
Flash Point	100 °F
Biodegradable	Yes

PRODUCT HANDLING

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product.

WARRANTY

Helix Sealer Stripper, a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ChemSystems, Inc.

SEALER STRIPPER

SAFETY DATA SHEET

SECTION 1 PRODUCT DESCRIPTION

Product Name:
Helix Sealer Stripper

Recommended Use:
Coating Removal

Supplier:
ChemSystems, Inc. 10101 Genard Road Houston, TX 77041
P: 713.329.9066 support@helixcolorsystems.com
www.helixcolorsystems.com

Emergency Phone:
CHEMTRAC 1-800-424-9300

SECTION 2 HAZARD IDENTIFICATION

Category 1C Skin Corrosion
Category 2A Eye Irritation
Category 2 Carcinogen
Category 3 Specific Target Organ Acute Toxicity (respiratory system, central nervous system)
Category 2 Specific Target Organ Chronic Toxicity, inhalation (central nervous system)

Signal Word: Danger
Hazard Statements:

- H314 Causes severe skin burns and eye damage
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H351 Suspected of causing cancer
- H373 May cause damage to central nervous system through prolonged or repeated exposure

Precautionary statements:
Prevention:

- P102: Keep out of reach of children.
- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink, or smoke while using this product.
- P234: Keep only in original container.
- P271: Use only in a well-ventilated area.
- P285: In case of inadequate ventilation, wear respiratory protection.
- P280: Wear protective gloves and eye protection.

Response:

- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.
- P304+P340: IF INHALED: Get to fresh air.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
- present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P301+P313: IF SWALLOWED: Get medical advice/attention.
- P331: Do not induce vomiting.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	OSHA PEL(TWA)	ACGIH(TLV-TWA)	Conc. (wt. %)
Dichloromethane	75-09-2	25 ppm	50 ppm	70.0 – 80.0
Methanol	67-56-1	200 ppm	200 ppm	5.0 – 15.0
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	1.0 – 10.0
Ethanolamine	141-43-5	3 ppm	3 ppm	1.0 – 5.0

SECTION 4 FIRST AID MEASURES

Emergency First Aid Procedures

Skin: Remove contaminated clothing and rinse the affected area for at least 20 minutes. Thoroughly wash with soap and water until no evidence of the chemical remains. For chemical burns, cover with proper dressing and bandage. Call a physician.

Eyes: Flush with water for 20 minutes lifting upper and lower eyelids occasionally. Call a physician.

Inhalation: Remove to fresh air. Administer artificial respiration if necessary. Call a physician.

Ingestion: Call a physician, poison control center, or hospital emergency room. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Never give anything by mouth to an unconscious person.

SECTION 5 FIREFIGHTING PROCEDURES

Extinguishing Media: Dry chemical, alcohol-resistant foam, or CO2

Flash Point (TCC): N/A

Flammable Limits (% volume in air for solvents): LEL=NOT DETERMINED UEL=NOT DETERMINED

Special Fire Fighting Procedures: Reactions with metals and water can liberate hydrogen gas and may form explosive mixture in the air. At high temperatures toxic corrosive fumes of anhydrous gas may be emitted. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

SECTION 6 SPILL OR LEAK PROCEDURES

Small Spills: Spills may be absorbed with inert material and disposed of as hazardous waste. Notify proper authorities if runoff should occur.

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

Cleanup: Spills may be absorbed using inert material and shoveled into suitable containers. Notify proper authorities if runoff should occur.

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

Disposal Regulatory Requirements: Follow applicable Federal, state, and local regulations.

Container Cleaning and Disposal: Containers must not be washed out or used for other purposes. Do not weld or flame cut empty containers.

SECTION 7 HANDLING AND STORAGE

Normal Handling: Use only in well ventilated areas. Avoid contact with eyes. Avoid inhalation of vapors.

Storage: Store material in its original container in a cool, dry, well-ventilated space out of direct sunlight. Keep containers tightly closed when not in use.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Avoid breathing vapors. Avoid storing in direct sunlight or near sources of heat.

SECTION 8 PROTECTION INFORMATION

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

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. Lethal concentrations may exist in areas with poor ventilation. Vapors are heavier than air and will accumulate in low areas.

ProtectiveClothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

Eye Protection: 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 PHYSICAL DATA

- ***Appearance:*** Light, hazy, viscous liquid
- ***Odor:*** Typical methylene chloride odor
- ***Odor Threshold:*** No data available
- ***pH:*** 10 – 12
- ***Melting Point:*** Not determined
- ***Freezing Point:*** Not determined
- ***Boiling Point:*** 104° F
- ***Flash Point:*** None to boiling point
- ***Evaporation Rate:*** Not determined
- ***Flammability (solid, gas):*** Non-flammable under normal conditions
- ***Upper/Lower Flammability:*** N/A
- ***Vapor Pressure:*** Not determined
- ***Vapor Density:*** 2.93 (air=1)
- ***Relative Density:*** 1.20
- ***Water Solubility:*** No data available
- ***Partition Coefficient:*** No data available
- ***Auto-ignition Temperature:*** Not determined
- ***Decomposition temperature:*** Not determined
- ***Viscosity:*** Not determined
- ***Specific Gravity (H20=1, at 4 °C):*** 1.20 g/cc

SECTION 10 REACTIVITY DATA

Reactivity: Stable at room temperature in closed containers under normal storage and handling conditions

Conditions to avoid: Heat, open flame, direct sunlight (while in sealed container).

Incompatibility (Materials to Avoid): Alkali metals, aluminum, strong oxidizing agents, and strong acids.

Hazardous Decomposition (Byproducts): Thermal oxidative decomposition can produce toxic and hazardous gases including fumes of hydrogen chloride.

Hazardous Polymerization: Hazardous polymerization cannot occur under normal temperatures and pressures.

SECTION 11 TOXICITY DATA

Routes of Exposure: Inhalation, Ingestion, eyes, and skin.

Acute Toxicity Lethal Doses (ATE):

No Data Available

Skin Contact: Prolonged contact may cause severe irritation, inflammation, ulceration, and burns.

Eye Contact: May cause severe irritation, impairment and permanent damage.

Inhalation: Burning sensation in the throat, coughing and choking.

Ingestion: Burns of the mouth, throat, esophagus and stomach with consequent pain, uneasiness, nausea, vomiting, diarrhea, chills and intense thirst.

Carcinogen: Contains ingredients suspected of causing cancer in humans:

Dichloromethane CAS# 75-09-2 IARC 2B

Aggravation of Pre-existing Conditions: Inhalation of fumes may aggravate existing lung problems. Skin contact may aggravate existing conditions.

SECTION 12 ECOLOGICAL DATA

Acute Toxicity to Fish: Keep out of waterways.

Acute Toxicity to Aquatic Invertebrates: Keep out of waterways.

Persistence and Degradability: No data available

Bioaccumulation Potential: Does not accumulate in organisms

Mobility in the Soil: High mobility in wet soil

Other Adverse Effects: No further information available

SECTION 13 DISPOSAL INFORMATION

Waste Disposal Method: Dispose of material in accordance with all Federal, State, and Local regulations. Must not be disposed of with household garbage. Do not allow product to reach waterways or storm sewers.

SECTION 14 TRANSPORT INFORMATION

All Modes:
Proper Shipping Name: Paint-Related Material
Hazard Class: 8
UN : UN3066
Packing Group: PGIII

SECTION 15 REGULATORY INFORMATION

RCRA Hazardous Waste Number (40 CFR 261.33): Possibly D002

SARA 311/312: Yes. Acute. Chronic

TSCA: All components of this material are on the US TSCA Inventory or are exempt.

State Regulations: Consult individual state agency for further information.

CA Prop 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

Dichloromethane CAS# 75-09-2

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methanol CAS# 67-56-1

SECTION 16 ADDITIONAL INFORMATION

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.