Safety Data Sheet

Bonding Agent

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer	SlipDoctors 2101 Midway Rd Ste 350 Carollton, TX 75006		
Telephone	(972) 999-9998	**Fax**	(501) 843-9261
Product Names	Bonding Agent		
Recommended Use	Adhesion promoter for coatings		
Restrictions on Use	For Industrial/Commercial use only		
Emergency Contact / Number	Chemtrec / (800) 424-9300 (US and Canada)		

SECTION 2: HAZARD IDENTIFICATION

Hazards

Serious eye damage/irritation — Category 1, Causes serious eye damage — **DANGER**



Precautionary Statements

Prevention: Wear eye/face protection.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazards Not Otherwise Classified (HNOC): Methanol: Human exposure to methanol may result in illness, systemic poisoning, blindness, optic nerve damage and perhaps death, after being ingested, absorbed through the skin or inhaled. Death due to cardiac or respiratory failure has been reported in some cases from consumption of as little as 30 mls.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component Percent
Alkoxysilane	Proprietary	<100
Methanol	67-56-1	<0.2

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms / Effects: Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of Immediate Medical Attention and Special Treatment, If Necessary: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry chemical powder, carbon dioxide (CO_2)
Unsuitable Extinguishing Media: Water
Specific Hazards Arising from the Chemical: During fire, gases hazardous to health may be formed. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 °F (150 °C) and above, in atmospheres which contain oxygen.
Specific Protective Equipment and Precautions for Fire-Fighters: Use a water spray to cool fire-exposed containers, structures and to protect personnel. Do not enter confined fire space without full equipment and a positive pressure NIOSH-approved self-contained breathing apparatus. Closed containers may explode from high heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

See Section 8 for Personal Protective Equipment

Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not breathe mist or vapor. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. In case of spills, beware of slippery floors and surfaces. Local authorities should be advised if significant spillages cannot be contained. For personal protection.
Environmental Precautions: Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination. Advise EPA, state or local agencies as required.
Methods for Cleaning Up: Do not discharge to the environment. Transfer to labeled, sealable containers for product recovery or safe disposal. The product is immiscible with water and will sediment in water systems.
Large Spills: Stop the flow of material, if possible without risk. Dike the spilled material, where possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
Small Spills
Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Do not save spills to original containers for re-use. For waste disposal, see Section 13 of this SDS.

SECTION 7: HANDLING AND STORAGE

See Section 8 for Personal Protective Equipment

Handling: Use with adequate ventilation. Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Storage: Store in a cool, dry, well-ventilated place. Protect from moisture. Keep from freezing. Prevent contact with water or air and store in air-tight containers in vacuum or in inert atmosphere. Never leave unsealed.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	ACGIH TWA	OSHA PEL
Methanol	200 ppm	200 ppm

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Eye wash facilities and emergency shower should be available when handling this product.
This product may be capable of generating 0.1 ppm or greater formaldehyde vapors under certain use conditions. According to OSHA 29 CFR 1910.1048, formaldehyde vapors may be considered hazardous if workplace airborne concentrations exceed 0.1 ppm.
Eye and Face Protection: Wear safety glasses or chemical safety goggles; use face shield if splashing is possible e.g. when pouring or working with large amounts.
Skin Protection: Wear chemical resistant protective gloves and other protective clothing appropriate to the task to avoid repeated or prolonged contact.
Respiratory Protection: Maintain good ventilation or air flow. Use a respirator in areas where the exposure is unknown or above OSHA or ACGIH limits.
General Hygiene: Follow accepted work practices. Do not eat, drink or smoke in areas where this product is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Clear water-white liquid	**Flash Point (PMCC)**	230 °F
Specific Gravity (Water=1)	1.07	**Upper Flammability Limits**	Not Determined
Evaporation Rate (butyl acetate = 1)	<1	**Lower Flammability Limits**	Not Determined
pH	Not Applicable	**Auto-ignition Temperature**	Not Determined
Solubility in Water	Negligible	**Decomposition Temperature**	Not Determined
Odor	Ether	**Vapor Pressure (20 °C)**	<1 mm
Odor Threshold	Not Determined	**Vapor Density (Air-=1)**	>1
Melting/Freezing Point	< -94 °F	**Partition Coefficient (n-octanol/water)**	Not Determined
Boiling Range	Not Determined	**Viscosity** (mPas, 20 °C)	Not Determined
Initial Boiling Point	554 °F	**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

Reactivity: Reacts slowly with water
Chemical Stability: Stable at normal storage and use conditions
Possibility of Hazardous Reactions: Reaction with water liberates methanol
Conditions to Avoid: Contact with incompatible materials. Avoid temperatures above 300 °C
Incompatible Materials: Strong oxidizers, water, moisture
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Methylpolysiloxanes can generate formaldehyde at approximately 300 °F (150 °C) and above, in atmospheres which contain oxygen.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Effects: Avoid skin and eye contact, inhalation, ingestion. Vapors can cause serious eye damage. Symptoms include stinging, tearing, redness, swelling and blurred vision. Liquid or vapors can react with moisture in the eye to form methanol which can cause temporary or permanent blindness depending on exposure. Ingestion or inhalation of methanol may result in illness, systemic poisoning, blindness, optic nerve damage and perhaps death. Death due to cardiac or respiratory failure has been reported in some cases from consumption of as little as 30 mls.
Chronic Toxicity Effects: Long term or repeated exposure may aggravate any acute symptoms.
Carcinogenicity: NTP, OSHA and IARC have not identified any carcinogenic ingredients above the statutory limit.

SECTION 12: ECOLOGICAL INFORMATION

Components are not classified as environmentally hazardous; however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Avoid release to the environment. Dispose of in accordance with local, state/province, and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Information: Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA Status: All components are listed in the TSCA inventory
SARA 311/312 Reporting Categories: Acute hazard
SARA 313 Reportable Ingredients: None

SECTION 16: OTHER INFORMATION

Department Issuing SDS: Health and Safety

Disclaimer

Important Notice to Purchaser. The information in this publication is based on tests that we believe are reliable. Your results may vary due to differences in test types and conditions. You must evaluate and determine whether the product is suitable for your intended application. **SlipDoctors'** exclusive warranty is as follows: If **SlipDoctors** products are proved defective, the user's exclusive remedy will be, at **SlipDoctors'** option, to replace the defective **SlipDoctors** product or to refund the purchase price for the defective quantity. Except for the replacement or refund remedies, **SlipDoctors** is not liable for direct damages or liable for indirect, incidental or consequential damages, regardless of the legal theory asserted, including negligence and strict liability.

ADDITIONAL COMMENTS

We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. "EMPTY" drums should not be given to individuals. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.