

**MATERIAL SAFETY DATA SHEET**

Product: SlipShield 1000 Activator  
 Manufacturer's Name: Precision Coatings  
 Address: 1940 E. Trafficway, Springfield, MO 65802

MSDS No. 1000b  
 Date Prepared: September 7, 2010  
 Emergency Telephone  
 Number: 800-424-9300  
 Other Information  
 Calls: 417-862-5738

**SECTION-1 IDENTITY**

Common Name (Used on Label): SlipShield 1000 Activator

Chemical Name: Mixture

CAS No: None

Chemical Family: Aminosilane

Formula: 1000b

**SECTION-2 HAZARDOUS INGREDIENTS/IDENTITY**

Hazardous Components	CAS No.	Vapor Pressure	ACGIH TLV		OSHA		
			TWA	STEL	PEL	CEILING	PEAK
Benzene, 1-chloro-4 (Trifluoromethyl)-PCBTF	98-56-6	5.3mmHg	NE	NE	NE	20ppm	NE
gamma-Aminopropyltrimethoxysilane	13822-56-5	none	NE	NE	NE	NE	NE
3-Aminopropyltriethoxysilane	919-30-2	none	NE	NE	NE	NE	NE

**SECTION-3 PHYSICAL & CHEMICAL CHARACTERISTICS**

Boiling Point: 282° F - 139° F

Specific Gravity: 0.9420 - 0.9550

Vapor Pressure (mm Hg): NE

Percent Volatile by Volume: 55

Vapor Density (Air =1): Heavier

Evaporation Rate(Ether=1):Slower

Solubility in Water: Reacts with water

Reactivity in Water: Reacts with water

Appearance: colorless to milky liquid

Odor: Naphthalenic odor

Flammability Classification: OSHA: Corrosive Liquid, Combustible Liquid DOT: Corrosive Liquid

**VOC as packaged (less water & exempt compounds): none**

**VOC of material as packaged: none**

**SECTION-4 FIRE & EXPLOSION DATA**

Flash Point:109°F 42.8°C

Method Used: TCC

Auto-Ignition Temperature: NE

Extinguisher Media: NFPA Class B (CO2, Dry Chemical, Foam) Waterbased extinguishers should NOT BE USED

Flammable Limits in Air % by volume: LEL Lower: NE UEL Upper: NE

Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus, impervious clothes.

Unusual Fire and Explosion Hazards: Combustible liquid. Overheated drums may rupture. Vapors can travel to source of ignition and flash back. Do not use water or water based extinguishing agents.

**SECTION-5 PHYSICAL HAZARDS (REACTIVITY DATA)**

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Moisture sensitive. Avoid contact with moisture, water, heat, sparks and open flame.

Incompatibility (materials to avoid): Strong oxidizers, acids, moisture, water

Hazardous Decomposition Products: Oxides of Carbon, nitrogen oxides, nitric acid, and hydrogen cyanide.

Hazardous Polymerization: Will not occur.

**SECTION-6 HEALTH HAZARDS****Acute Overexposure:**

Excessive vapor concentration in air, especially in confined spaces, may cause asphyxiation.

Excessive inhalation of vapors can cause nasal, throat, and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Eye contact with liquid or vapor causes severe irritation, redness, tearing, blurred vision. Corrosive effect on eyes.  
Skin contact with liquid or vapor caused severe irritation, on skin and mucous membranes. Corrosive effect on skin  
Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Corrosive effect on mucous membranes.

Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.

**Notice:** Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**Chronic Overexposure:**

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids and vapors should be minimized.

Prolonged or continuous inhalation of vapors may result in delayed lung damage.

Repeated or prolonged inhalation of vapor or spray mist may cause liver and kidney damage.

Corrosive effect on the skin and mucous membranes.

Corrosive effect on the eyes

**Carcinogenicity:** none

#### SECTION-7 FIRST AID

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. Consult a physician.

**Eye Contact:** Flush with water for at least 15 minutes. Seek urgent medical attention.

**Skin Contact:** Wash with soap and water. In case of skin damage seek urgent medical attention.

**Ingestion:** DO NOT induce vomiting. Call a physician immediately. Have the names of ingredients available.

#### SECTION-8 SPECIAL PRECAUTIONS

Observe label precautions. Keep away from heat, sparks and flame. Close container after each use.

Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do

not store above 120 degrees F. Do not flame cut, saw, braze or weld containers. Product reacts with water,

MOISTURE SENSITIVE. Take precautions to avoid contact with atmospheric pressure.

#### SECTION-9 SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Remove all sources of ignition. Isolate from oxidizers. Ventilate area. Remove with inert materials and non-sparking tools.

**Waste disposal methods:** Dispose in accordance with all Federal, State and Local regulations.

When discarded, this material is a hazardous waste.

#### SECTION-10 SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Do not breathe vapors or mists. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapor/mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and use.

Do not permit anyone without protection in the painting area.

**Ventilation:** Provide sufficient ventilation to keep vapor concentration below the given TLV and/or PEL.

**Protective clothing:** Solvent and corrosive resistant gloves. Avoid skin contact. Refer to safety equipment supplier for effective glove recommendations.

Use safety goggles or safety glasses with splash guards or side shields to protect against splash of liquids.

Other protective equipment such as eye bath and shower should be available. Use chemical resistant apron, boots or other clothing if needed to avoid repeated or frequent contact. Liquid may penetrate shoes and leather causing delayed irritation.

#### SECTION-11 REGULATORY INFORMATION

**OSHA:** This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

**SARA Title III Section 302 Extremely Hazardous Substances:** None

**SARA Title III Section 311/312 Hazard Categories:** Immediate health, delayed health, fire hazard.

**Section 313 Supplier Notification:** The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372:

<u>CAS Number</u>	<u>Chemical Name</u>	<u>% by Weight</u>
71-36-3	1-Butanol	<0.001
108-88-3	Benzene, methyl-	<0.005

**Hazardous Air Pollutants:** none

**Hazardous Waste:** When discarded in its supplied form, this product must be considered a hazardous waste.

**TSCA status:** All ingredients are TSCA registered.

**CEPA status:** All ingredients are listed on the DSL or NDSL.

**Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm: 108-88-3 Benzene, methyl

**DOT Proper Shipping Name:** Paint Related Material; **Hazard Class or Division:** 8, 3; **ID #:** UN 3066

**Packing Group:** II

#### SECTION-12 OTHER INFORMATION

While Precision Coatings believes that the data contained herein are accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which Precision Coatings assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.