

# MATERIAL SAFETY DATA SHEET

## SmartShield XLC (Concentrate)

FILE NO.: 200-1  
MSDS DATE: 10 /27/09

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SmartShield XLC (Concentrate)  
**SYNONYMS:** Antimicrobial Surface Protectant Protectant (Concentrate)

**MANUFACTURER:** Envirotrades, LLC  
**DIVISION:** P.O. Box 383  
**ADDRESS:** Bloomsbury, NJ 08804  
866-863-4107

**EMERGENCY PHONE:** 866-863-4107  
**FAX PHONE:** 732-234-5912

**CHEMICAL FAMILY:** Organosilane  
**EPA Registration # :** 87583-2-88566  
**PRODUCT USE:** Antimicrobial surface protectant  
**PREPARED BY:** Environtrades, LLC

**SECTION 1 NOTES:** None

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS CONDITIONS:	CAS. NO.	% VOL	OSHA (PEL)	ACGIH(TLV)
3-(Trimethoxysilyl) propyl di methyl octadecyl ammonium chloride	27668-52-6	<5.0%	None established	None established
Ethylene glycol monobutyl ether	112-34-5	<7.0%	None established	None established
Isopropyl alcohol	67-63-0	<7.0%	400 ppm	400 ppm
Surfactants	Mixture	<5.0%	None established	None established
Inert Ingredients		<69.0%		

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Harmful if swallowed. Will cause irritation to eyes. Prolonged contact will cause irritation to skin.

**ROUTES OF ENTRY:** Skin contact, ingestion, and eye contact.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Irritating to the eyes  
**SKIN:** Irritating to the skin  
**INGESTION:** Harmful if swallowed  
**INHALATION:** Harmful if fog or aerosol is inhaled.

**ACUTE HEALTH HAZARDS:** None Reported

**CHRONIC HEALTH HAZARDS:** None Reported

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known

#### CARCINOGENICITY

**OSHA:** None      **NTP:** None      **IARC:** None

### SECTION 4: FIRST AID MEASURES

**EYES:** Immediately rinse eyes with water for 15 minutes. Seek medical attention if irritation occurs.  
**SKIN:** Wash affected areas using soap and water  
**INGESTION:** Do not induce vomiting. Seek medical attention.  
**INHALATION:** Remove to fresh air. If necessary get medical attention.

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**SmartShield XLC (Concentrate)**

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**FLAMMABLE LIMITS IN AIR, UPPER:** None  
**(% BY VOLUME) LOWER:** None

**FLASH POINT:** None

**F:** None

**C:** None

**EXTINGUISHING MEDIA:** Dry Chemicals, Foam, Carbon Dioxide, Water Spray

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**SECTION 5: FIRE-FIGHTING MEASURES (Cont.)**

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**SPECIAL FIRE FIGHTING PROCEDURES:** Must be equipped with self contained breathing apparatus.  
Cool drums with water spray to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None (non-flammable)

**HAZARDOUS DECOMPOSITION PRODUCTS:** Will not occur

**SECTION 5 NOTES:** Caution when in contact with sodium oxidizers.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:**

Small spill: Hose away with water.

Large spill: Transfer to suitable container for disposal.

**SECTION 6 NOTES:** Material will be slippery, if spilled.  
Observe Federal Spill and Water Quality Regulations.  
Absorb, bag or contain and remove proper disposal.

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**SECTION 7: HANDLING AND STORAGE**

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**HANDLING AND STORAGE:**

Do not get into eyes. For sensitive skin, wear glove (rubber/latex) when handling product. Store away from heat direct sunlight.

**SECTION 7 NOTES:** Keep out of reach of children.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**VENTILATION:** General ventilation

**RESPIRATORY PROTECTION:** N-95 or equivalent  
If fogging use an approved paint spray or vapor respirator.

**EYE PROTECTION:** To avoid eye contact, wear goggles.

**SKIN PROTECTION:** Rubber/Latex gloves for sensitive skin

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**SECTION 8 NOTES:** No special precautions beyond routine prudent safe handling of chemical substances are necessary.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Clear liquid

**ODOR:** Slight Alcohol

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** 4.0-7.0

**BOILING POINT:**  
**F:** .210° F

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Cont.)**

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**VAPOR PRESSURE (mmHg):** N/A  
**VAPOR DENSITY (AIR = 1):** N/A  
**SPECIFIC GRAVITY (H2O = 1):** 1.003  
**EVAPORATION RATE:** (water=1)  
**SOLUBILITY IN WATER:** 100%  
**PERCENT VOLATILE:** ND

**SECTION 9 NOTES:** None

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**SECTION 10: STABILITY AND REACTIVITY**

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STABLE  
X

UNSTABLE

**STABILITY:** Stable  
**CONDITIONS TO AVOID (STABILITY):** Do not mix with other cleaners, do not freeze, avoid heat and direct sunlight.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Will not occur  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID (POLYMERIZATION):** None

**SECTION 10 NOTES:** None

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:** Not available

**SECTION 11 NOTES:** None

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** Not available

**SECTION 12 NOTES:** None

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Waste resulting from the use of this product may be disposed of on site.

**SECTION 14 NOTES:** None

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**PREPARATION INFORMATION:** Prepared by Envirotrades, LLC. 866-863-4107

**DISCLAIMER:** This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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