SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SmartShield XLC (Concentrate)
SYNONYMS: Antimicrobial Surface Protectant Protectant (Concentrate)
MANUFACTURER: Environtrades, 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

<table>
<thead>
<tr>
<th>HAZARDOUS CONDITIONS</th>
<th>CAS. NO.</th>
<th>% VOL</th>
<th>OSHA (PEL)</th>
<th>ACGIH(TLV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-(Trimethoxysilyl) propylidimethyldecyl ammonium chloride</td>
<td>27668-52-6</td>
<td>&lt;5.0%</td>
<td>None established</td>
<td>None established</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>&lt;7.0%</td>
<td>None established</td>
<td>None established</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>&lt;7.0%</td>
<td>400 ppm</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Surfactants</td>
<td>Mixture</td>
<td>&lt;5.0%</td>
<td>None established</td>
<td>None established</td>
</tr>
<tr>
<td>Inert Ingredients</td>
<td></td>
<td>&lt;69.0%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
SECTION 5: FIRE-FIGHTING MEASURES

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

SECTION 5: FIRE-FIGHTING MEASURES (Cont.)

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING AND STORAGE

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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid
ODOR: Slight Alcohol
PHYSICAL STATE: Liquid

pH AS SUPPLIED: 4.0-7.0
BOILING POINT: F: 210°F
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

- 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

SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>STABLE</th>
<th>UNSTABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABILITY:</td>
<td>Stable</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID (STABILITY):</td>
<td>Do not mix with other cleaners, do not freeze, avoid heat and direct sunlight.</td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID (POLYMERIZATION):</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14 NOTES: None

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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