

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EnviroSystems® BioShield® 75  
CHEMICAL DESCRIPTION: Organosilane  
COMPANY IDENTIFICATION: IndusCo, Ltd.  
2319 Joe Brown Drive  
Greensboro, NC 27405  
EMERGENCY TELEPHONE (800) 262-8200 (24 HOURS) CHEMTREC

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Our hazard evaluation has identified the following chemical substance(s) as hazardous. Consult Section 15 for the nature of the hazard(s).

Hazardous Substance(s)	CAS NO.	% Weight	OSHA (PEL)	ACGIH (TLV)
Octadecylaminodimethyltrihydroxysilyl propyl ammonium chloride	27668-52-6	0.75%	None	None

SECTION 2 NOTES: None

The above information is not intended for use in preparing product specifications.

## 3. HAZARDS IDENTIFICATION

HMIS Profile: Health 1 Flammability 0 Physical Hazard 0 Personal Protection D

### \*\* EMERGENCY OVERVIEW \*\*

#### Warning:

SLIGHTLY IRRITATING TO THE EYES. HARMFUL IF INGESTED OR INHALED.  
Do not get in eyes or on clothing. Avoid contact with skin or clothing, and avoid breathing vapor. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before use.

**PRIMARY ROUTES OF ENTRY:** skin contact, ingestion, and eye contact.

#### POTENTIAL HEALTH EFFECTS:

**EYES:** Slightly irritating to the eyes.

**SKIN:** May cause slight irritation.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Harmful if inhaled.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Not known.

**CARCINOGENS:**

OSHA: No      ACGIH: No      NTP: No      IARC: No

**SECTION 3 NOTES:** none

**4. FIRST AID MEASURES**

**EYES:** Hold eye open and flush with a steady, gentle stream of water for 15-20 minutes. If present, remove contact lenses after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If not breathing, give artificial respiration. Seek medical attention.

**5. FIRE FIGHTING MEASURES**

FLAMMABLE LIMITS IN AIR:	UPPER: N/A LOWER: N/A
FLASH POINT:	N/A
EXTINGUISHING MEDIA:	N/A
SPECIAL FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	N/A
HAZARDOUS DECOMPOSITION PRODUCTS:	N/A

**Section 5 Notes:** None.

**6. ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:**

For small spills, hose away with water.  
For large spills, transfer to suitable container for disposal.

**SECTION 6 NOTES:** This material will be slippery if spilled.

**7. HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Do not get into eyes. For sensitive skin, wear gloves (rubber/latex) when handling product. Store away from heat and direct sunlight.

**SECTION 7 NOTES:** None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**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: None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Clear colorless liquid
ODOR	Odorless
SPECIFIC GRAVITY	0.98 – 1.02
SOLUBILITY IN WATER	Complete
pH	5.17
FREEZING POINT	32°F/0°C
BOILING POINT	212°F/100°C
MELTING POINT	Not available
VAPOR PRESSURE	Not available
VISCOSITY	<85.5mPa·s
VOLATILE CONTENT	Not available
PERCENT SOLIDS BY WEIGHT	Not available

SECTION 9 NOTES: None

## 10. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Will not occur.

INCOMPATIBLE MATERIALS TO AVOID: Do not mix with cleaners, do not freeze, and avoid heat and direct sunlight.

SECTION 10 NOTES: None

## 11. TOXICOLOGICAL INFORMATION

The following results are for the product:

TOXICITY: Eye Irritation: Minimally irritating to eyes (Rabbit)

SECTION 11 NOTES: None

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL EFFECTS:** This pesticide is toxic to fish. Do not apply to water by cleaning of equipment or disposal of pesticide.

SECTION 12 NOTES: None.

## 13. DISPOSAL CONSIDERATIONS:

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

SECTION 13 NOTES: None

#### **14. TRANSPORT INFORMATION**

U.S. DEPARTMENT OF TRANSPORTATION: Not regulated

SECTION 14 NOTES: None

#### **15. REGULATORY INFORMATION**

Not applicable

#### **16. OTHER INFORMATION:**

PREPARATION INFORMATION: Prepared by IndusCo, Ltd.

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.

Date Issued: 06/24/08