

COATINGS SPECIALIST GROUP MATERIAL SAFETY DATA SHEET

TurfD

Note: This Material Safety Data Sheet has been prepared to provide information on the typical application strength Material which is used in the treated of goods and surfaces.

SECTION 1 — CHEMICAL PRODUCT AND COMPANY INFORMATION

Coatings Specialist Group
2849 Product Drive
Rochester Hills, MI 48309

Telephone: (248) 299-2607
Fax: (248) 299-2643
Chemtrec – 24 Hours Emergency Response: (800) 424-9300

MSDS No. 630913-5

Current Version: 03/01/07

Generic Description:	Organosilane in water
Physical Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Bland odor
NFPA Profile:	Health 1 Flammability 0 Reactivity 0

NFPA = National Fire Protection Association

SECTION 2 — OSHA HAZARDOUS COMPONENTS

<u>CAS Number</u>	<u>Wt.%</u>	<u>Component</u>	<u>Exposure Limits</u>
027668526	1.44%	Octadecylaminodimethyltrimethoxy-silylpropyl Ammonium Chloride	None established

SECTION 3 — EFFECTS OF OVEREXPOSURE

Acute Effects

Eye:	Direct contact may burn eyes with possible permanent injury
Skin:	May cause irritation similar to a rash with localized edema, reddening.
Inhalation:	Excessive or prolonged inhalation may cause adverse effect to the respiratory capacity
Oral:	May be harmful or fatal if swallowed

COATINGS SPECIALIST GROUP MATERIAL SAFETY DATA SHEET

SECTION 3 Cont'd— EFFECTS OF OVEREXPOSURE

Health Hazards (Acute and Chronic)

This material does not meet the criteria for designation as an acute or delayed health hazard pursuant to the Occupational Health and Safety Act when used in a manner consistent with its labeling

Medical Conditions Aggravated by Exposure

No known applicable information

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.

SECTION 4 — FIRST AID MEASURES

Eye:	Immediately flush with plenty of water for 15 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow individual to rub their eyes. Get medical attention.
Skin:	This material should not cause irritation. In people with an existing sensitivity to such products, a reddening of the skin may occur. If irritation persists, consult a doctor.
Inhalation:	Adverse effects are not expected when product is used in open areas. If breathing becomes difficult or painful consult a doctor.
Oral:	Induce vomiting immediately. Do not induce vomiting if person is unconscious. Get immediate medical attention.

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point (closed cup):	None
Autoignition Temperature:	Not Applicable
Extinguishing Media:	Not Applicable
Fire Fighting Procedures:	Not Applicable
Unusual Fire Hazards:	Not Applicable

Hazardous Decomposition Products:

Thermal breakdown of this product during fire or very high heat conditions may evolve hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds; Nitrogen oxides; Chlorine compounds; Silicon dioxide; Formaldehyde.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	Use absorbent material to collect and contain for salvage or disposal. Begin containerization process as soon as practical. Rinse spill area with plenty of water after cleanup is complete and containerize or absorb all rinse water.
Air Release:	There is no air release associated with the normal use of this material.

COATINGS SPECIALIST GROUP MATERIAL SAFETY DATA SHEET

SECTION 7 — HANDLING AND STORAGE

Storage: Store below 100°F

Other Precautions: None.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Local exhaust: Recommended

General ventilation: Recommended

Personal Protective Equipment for Routine Handling

Eyes: Use safety glasses with side shield.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be cleaned before reuse. Rubber or plastic gloves are recommended.

Inhalation / Suitable Respirator: No special requirements. If material is sprayed, or applied by fogging or mist application, use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

Personal Protective Equipment for Spills

Eyes: Use safety glasses with side shield.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be cleaned before reuse. Rubber or plastic gloves are recommended.

Inhalation/Suitable Respirator: No special requirements. If material is sprayed, or applied by fogging or mist application, use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

Precautionary Measures: Do not get in eyes. Avoid skin contact. Do not breathe vapor. Keep container closed. Do not take internally.

Comments: These precautions are for room temperature handling. Use at elevated temperature, or aerosol/spray applications, may require added precautions.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid

Color: Colorless to pale yellow

Odor: None

Specific Gravity @ 25C: 1.00

Viscosity: 5.00 CST

Freezing/Melting Point: 32°F / 0°C

COATINGS SPECIALIST GROUP MATERIAL SAFETY DATA SHEET

SECTION 9 Cont'd — PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	212°F / 100°C
Vapor Pressure @ 25C:	Not Determined
Vapor Density:	Not Determined
Solubility in Water:	Not Applicable
pH:	Not Applicable
Volatile content:	N/D

Note: The above information is not intended for use in preparing product specifications. Contact Coatings Specialist Group before writing specifications.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Hazardous polymerization will not occur
Conditions to Avoid:	None
Materials to Avoid:	Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 2.
Comments:	None

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicology Data for Product

Complete information is not yet available

SECTION 12 — ECOLOGICAL INFORMATION

Environmental impact of material:

This product contains pesticides that are toxic to aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent to sewer systems without notifying the local sewage treatment plant authority.

Inactivation of solutions containing this product may be accomplished by the addition of an anionic surfactant in a quantity equivalent to the percent active ingredients.

COATINGS SPECIALIST GROUP MATERIAL SAFETY DATA SHEET

SECTION 13 — DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Federal Hazardous Waste Code

Characteristic Waste: Ignitable: N/A Corrosive: N/A Reactive: N/A TCLP: N/A

Comments: State or local laws may impose additional regulatory requirements regarding disposal

N/A = Not Applicable

Call Coatings Specialist Group at 1-888-510-2847 if additional information is required

SECTION 14 — REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances: None

Section 304 CERCLA Hazardous Substances: None

Section 312 Hazard Class: Acute: N Chronic: N Fire: N Pressure: N Reactive: N
Y = Yes N = No

Section 313 Toxic Chemicals: None

Supplemental State Compliance Information:

<u>CAS Number</u>	<u>Wt. %</u>	<u>Component</u>
-------------------	--------------	------------------

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.

None Known

This MSDS has not been formatted for states that have "Right to Know" laws, such as New Jersey, Pennsylvania, and Massachusetts.

SECTION 15 — OTHER INFORMATION

Prepared by Coatings Specialist Group

This information is offered in good faith as typical values and not as product specifications. No warranty, either 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.

*****This is the last page*****