



For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: + 1703-527-3887
(collected call accepted)
MATERIAL SAFETY DATA SHEET

PRODUCT: Smart Seal

DISTRIBUTOR: Tile & Floor Care Chemicals
DISTRIBUTORS ADDRESS: 4340 NW 19th Ave
Deerfield Beach
FL 33064

Telephone: 954-968-3445
Facsimile: 954-968-2844
After Hours: 561-866-4483

Website Address: www.tilecare.net
E-mail Address: enquiries@tilecare.net

MSDS PREPARED BY: TFC USA
MSDS PREPARATION DATE: 14/04/2010

PREPARER TEL: 954-968-3445

1. Product Name: Smart seal

Chemical Name: Trimethoxy (2,4,4 - Trimethyl pentyl) Silane
Synonyms: -
Chemical Family: Silane
Empirical Formula: -
Intended Use: Concrete Modifier - Sealant
Hazard Class: Non Hazardous
Physical Form: Liquid
Colour: Hazy Water / Slight Opaque
Odour: None
Hazards: May cause skin sensitisation
Extinguishing Media: Ignition will give rise to a Class B fire.
In case of a large fire use: alcohol foam, water spray.
In case of a small fire use: carbon dioxide (CO₂), dry chemical, dry sand or limestone.

2. Composition / Information on hazardous ingredients

Ingredients	CAS	LD ₅₀	LC ₅₀
Triethoxy(2,4,4-trimethylpentyl)silane	35435-21-3	-	-

3. Hazard Identification

Route of Entry: Skin Contact, Eye Contact and Ingestion
Emergency Overview: Can cause skin and eye reddening (irritation)
Potential Health Effects:

Skin Contact: Skin reddening
Eye Contact: Reddening, pain and swelling
Inhalation: None
Ingestion: Stomach ache

4. First Aid Measures

Skin Contact: Wash with plenty of water or soap and water; immediately remove all contaminated clothing. Seek medical advice.
Eye Contact: Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.
Inhalation: Provide fresh air. In case of sickness, seek medical advice.
Ingestion: Seek medical advice immediately and produce the container or label. If conscious, give several small portions of water to drink. DO NOT induce vomiting.

5. Fire Fighting Measures:

Flammable: No
Means of Extinction: As for surrounding materials
Flashpoint (°C) and Method (oc or cc): >100°C
Upper Flammable Limit (% by volume): n/a
Lower Flammable Limit (% by volume): n/a
Autoignition Temperature (°C): n/a
Explosion Data - Sensitivity to Impact: n/a
Explosion Data - Sensitivity to Static Discharge: n/a
Hazardous Combustion Products: n/a

6. Accidental Release Measures

Leak & Spill Procedures:

Small Spill: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local or state regulations.
Large Spill: Contain large amounts and pump into suitable containers.

7. Handling and Storage

Handling Procedures & Equipment: Ensure adequate ventilation. Avoid formation of aerosols. Spilled substances increase risk of slipping. Keep away incompatible substances in accordance with Section 10.
Storage Requirements: Protect against frost (0 - 50°C)

8. Exposure Controls/Personal Protection

Exposure Limits:

ACGIH TLV:	Not classified
OSHA PEL:	Not classified

Engineering Controls:

In case of aerosol or mist formation, use respiratory protection.

Personal Protective Equipment:

Butyl rubber gloves, Respirator, Protective goggles. Do not eat, drink or smoke when handling this product.
Avoid formation of aerosols.

9. Physical and Chemical Properties

Physical State:	Liquid
Odour & Appearance:	Pleasant; Slightly Hazy
Odour Threshold (ppm):	Not available
Specific Gravity	1g/ml
Vapour Density (Air=1):	Not available
Vapour Pressure (mmHg):	Not available
Evaporation Rate:	As of water
Boiling Point (°C):	>95°C
Freezing Point (°C):	Not available
pH:	7-8
Coefficient of Water/Oil Distribution:	Not available
Solubility in Water:	Completely Miscible

10. Stability and Reactivity

Chemical Stability:

If stored and handled in accordance with standard industrial practices and local regulations, no hazardous reactions are known.

Incompatibility with Other Substances:

Yes - Reacts with acids and basic substances.

Reactivity:

Reactions produce Ethanol when reacted with acids and basic substances.

Hazardous Decomposition Products:

Ethanol

11. Toxicological Information:

Effect of Acute Exposure:	5.4mg / ¼ H (spray/dust)
Effects of Chronic Exposure:	Not available
Irritancy of Product:	According to literature, Ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degreases the skin, is narcotic and may cause liver damage.
Skin Sensitization:	Not available
Respiratory Sensitization:	No
Carcinogenicity:	Not available
IARC (1, 2A or 2B):	No
ACGIH (A1, A2 or A3):	No
Reproductive Toxicity:	No
Teratogenicity:	No
Embryotoxicity:	No
Mutagenicity:	No
Name of Synergistic Products/Effects:	None known

12. Ecological Information:

Aquatic Toxicity:

No data available

Products of Biodegradation:

The hydrolysis product (Ethanol) is readily biologically degradable. Silicone content - Biologically not degradable.

Toxicity of the Products of Biodegradation:

Not available

13. Disposal Considerations:

Waste Disposal:

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14. Transport Information:

Special Shipping Information:

PIN:	Not regulated
TDG:	Not regulated
[DOT]:	Not regulated
[IMO]:	Not regulated
[ICAO]:	Not regulated

15. Regulatory Information:

[WHMIS Classification]:	Non hazardous
[OSHA]:	Non hazardous
[SERA]:	Non hazardous
[TSCA]:	Non hazardous

16. Other Information:

Further Information:

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such used in combination with any other materials or in any other process.

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