TILE DOCTOR SHIELD 72-36

Version Number: 1.0

Preparation Date: 10/06/22
Release Date: 10/06/22

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **TILE DOCTOR SHIELD 72-36**

Recommended use: Biostatic Surface Treatment Antimicrobial

Manufacturer, supplier:
Tile Doctor
1395 south Marietta Parkway SE
Suite 200-222
Marietta, GA 30067
Phone: 770-447-0061
Emergency Contact Telephone number: **800-262-8200 Chemtrec**

2. HAZARDS IDENTIFICATION

GHS Classification

Serious Eye Irritant	Category 2A
Skin irritation	Category 2

GHS Label Element

Hazard Pictograms:

Signal Word **Danger**

Hazard Statements

Harmful if swallowed
Causes skin irritation.
Causes severe eye irritation.
Causes damage to organs: Optic nerve, Central nervous system.
Precautionary Statements:

Prevention: Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear eye protection. Wear protective gloves, protective clothing, eye protection and face protection. Do not breath mist, fumes, or vapors.

Response:
Principal routes of exposure: Eye contact, Skin contact, Inhalation, Ingestion.
Skin: Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if exposed.
Eyes: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation: If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.
Ingestion: If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention at once.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %
Dimethyloctadecyl(3-(trimethoxysilyl)propyl) ammonium chloride	27668-52-6	1-5
Methanol	67-56-1	0.2-1.2

4. FIRST AID MEASURES

Skin contact: Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.
Eye contact: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation: If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention immediately.
Ingestion: If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Fire Fighting Procedure: Use water vapor, foam or fog. Firefighters should wear proper protective equipment.
Fire Hazard: Combustion or thermal decomposition will produce toxic and irritant vapors. Forms toxic fumes of hydrogen chloride, oxides of carbon, nitrogen and silica.
Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
Flash Point (F°, TCC): None
Flammable Limits: LEL: N/A

6. ACCIDENTAL RELEASE MEASURES

Spill Clean Up: Wear appropriate protective equipment (see Section 8). Absorb with an inert material and put spilled material in appropriate waste disposal. Do not allow to enter drains, sewars or waterways. Dispose of in accordance with federal, state, and local requirements.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Keep container closed. Wash thoroughly after handling.
Storage: Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eyes: Safety eyewear
Hand: Wear impervious chemical resistant gloves.
Skin: Wear normal work place attire.
Respiratory: Avoid breathing vapors, spray or mists.

Ingredient(s)	CAS #	ACGIH (TLV)	OSHA (PEL)	STEL (TLV)
Methanol	67-56-1	200 ppm	200 ppm	250 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colorless to pale yellow liquid
Odor	characteristic
Upper and lower flammability or explosive limits	not available
Vapor pressure	not available
Odor threshold	not available

Vapor density	not available
pH	4-8
Relative density	1.0-1.03
Melting point/freezing point	not available
Boiling Point deg. F	212
Solubility water	soluble
Initial boiling point and boiling range	not available
Flash point	not applicable
Evaporation rate	not available
Auto-ignition temperature	not available
Decomposition temperature	not available
VOC content (%)	<1.5
Viscosity	not available

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Incompatibility: Strong reducing and oxidizing materials.
Polymerization: Will not occur.
Hazardous Decomposition: Combustion or thermal decomposition will produce toxic and irritant vapors. Forms toxic fumes of hydrogen chloride, oxides of carbon, nitrogen and silica.

11. TOXICOLOGICAL INFORMATION

Exposure routes: Skin contact, Eye contact, Inhalation

Information on toxicological effects:

Dimethyloctadecyl(3-(trimethoxysilyl)propyl) ammonium chloride

Acute toxicity	LD50 (oral, rat >2000 mg/kg- bw LD 50 (dermal, rat) > 2000 mg/kg -bw
Irritation/Corrosivity	causes skin and eye irritation
Sensitization	not a skin sensitizer.
Carcinogenicity	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Methanol

Acute toxicity	LD50 (oral monkey): 7000 mg/kg-bw LD0 (oral, rat): >2528 mg/kg-bw LC50 (inhal., monkey, 4 hrs.) 52 mg/L Ingestion may damage the optic nerve. May cause dizziness and drowsiness.
Irritation/Corrosivity	May cause eye irritation.
Carcinogenicity	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

12. ECOLOGICAL INFORMATION

Dimethyloctadecyl(3-(trimethoxysilyl)propyl) ammonium chloride

Acute toxicity	LC50 (96 hours): 0.51 mg/L (Bluegill) EC50 (48 hours): 0.72 mg/L (daphnia magna, mobility)
Long term toxicity	not available
Biodegradation	Not readily biodegradable

Methanol

Acute toxicity	LC50 (96 hours): 15400 mg/L (Lepomis macrochirus) EC50 (48 hours): 18260 mg/L (Daphnia magna, mobility)
Long term toxicity	Not available
Biodegradation	Not readily biodegradable

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

14. TRANSPORT INFORMATION

DOT Bill of Lading Description: Not regulated

Sea (IMDG) and Air (ICAO/IATA) TRANSPORT

UN 3082 Environmentally hazardous substance, liquid, nos
Dimethyloctadecyl(3-(trimethoxysilyl)propyl) ammonium chloride
MARINE POLLUTANT:
Dimethyloctadecyl(3-(trimethoxysilyl)propyl) ammonium chloride

Transport hazard class	9
Packing Group	III
Environmental hazards	yes

Note: DOT classification does not necessarily apply to all sizes. For specific container size exceptions, refer to the Bill of Lading with your shipment.

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act) – Inventory Status
Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4)

Chemical name	CAS No.	Typical weight %	RQ (pounds)
Methanol	67-56-1	1	5000

SARA 311/312 – Hazard Categories

Eye Damage 1 STOT SE 1

SARA 313 – Toxic Chemicals (40 CFR 372)

Chemical Name	CAS No.	Typical %
Methanol	67-56-1	1

SARA 302 – Extremely Hazardous Substances (40 CFR 355)

None

Proposition 65 (California)

Chemical Name	CAS No.	Typical % weight	Hazards
Methanol	67-56-1	1	Developmental

16. OTHER INFORMATION

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