

Safety Data Sheet

1 – PRODUCT IDENTIFICATION

PRODUCT NAME: Tunnel Shield
PRODUCT TYPE: Liquid Cationic Drying Agent
PRODUCT NUMBER: T1270XXX (Last characters vary with packaging)
CONTROL NUMBER: T1270XXX

COMPANY: **Simoniz USA, Inc.**
201 Boston Turnpike
Bolton, CT 06043
1-800-227-5536
www.simoniz.com

EMERGENCY PHONE: 1-800-255-3924 (CHEM-TEL)

2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE: Serious Eye Damage (1) Aspiration Hazard
(1) Skin Irritation (2) Acute Toxicity, Oral (5)

SYMBOLS:



SIGNAL WORD:..... DANGER!

HAZARD STATEMENT: Causes serious eye damage. May be fatal if swallowed and enters airways. Causes skin irritation. May be harmful if swallowed.

PRECAUTIONARY STATEMENTS:

PREVENTION: Wash hands thoroughly after handling. Do not touch eyes. Wear protective gloves / eye protection / face protection.

RESPONSE: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help. IF SWALLOWED: Get emergency medical help immediately. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical help. Specific treatment (see First Aid section). Take off contaminated clothing and wash it before reuse.

STORAGE:..... Store locked up.

DISPOSAL: Dispose of container and contents in accordance with local regulations.

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3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER
Water	7732-18-5
Distillates (petroleum), hydrotreated middle	64742-46-7
Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides	61789-77-3
2-Butoxyethanol	111-76-2
Amines, C ₁₄₋₁₈ and C ₁₆₋₁₈ -unsatd. alkyl, ethoxylated	68155-39-5
Hexylene glycol	107-41-5
Organically Modified Ceramic Compound	Not Required

If percentages, chemical names or C.A.S. numbers of ingredients are not listed/shown, they are being withheld as trade secret information, or are not required per OSHA Hazard Communication Standard 29CFR 1910.1200. This information will be disclosed as necessary to authorized individuals.

4 – FIRST-AID MEASURES

BREATHING (INHALATION): .. Maintain adequate ventilation of work area. Avoid breathing product mist and spray. If signs of discomfort or irritation occur, remove to fresh air. If symptoms persist, seek medical attention.

SWALLOWING (INGESTION):.. DO NOT INDUCE VOMITING! Rinse mouth, then drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!

EYES: Flush eyes with a large quantity of fresh water for at least 15 minutes. Apply ice compresses and get immediate emergency medical attention by an eye specialist! It may be necessary to bring person to a hospital emergency room.

SKIN (DERMAL): Flush from skin and clothing with large amounts of fresh water. If irritation occurs, seek medical attention. Wash contaminated clothing before reuse.

5 – FIRE-FIGHTING MEASURES

FLASHPOINT:..... This product is non-flammable.

EXTINGUISHING MEDIA: Use extinguishing media suitable for materials already burning.

SPECIAL FIRE FIGHTING PROCEDURES:..... Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

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6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:..... Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.

WASTE DISPOSAL: As recommended by local, state and federal authorities.

7 – HANDLING and STORAGE

STORAGE:..... Store in a cool, well-ventilated area. Avoid overheating or freezing. Store locked up. Do NOT store this product in an unmarked container.

HANDLING:..... Maintain adequate ventilation in work area. Wear eye and hand protection. Avoid breathing product mist and spray. Do NOT transfer this product in an unmarked container. Spilled material is slippery. Keep out of reach of children.

ATTENTION: Do NOT reuse empty container. Empty containers retain vapor and product residue and can be dangerous.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION:Not usually needed in well-ventilated areas. If needed, use a NIOSH approved respirator.

PROTECTIVE CLOTHING:..... Nitrile or PVC gloves, and chemical splash goggles.

ADDITIONAL MEASURES:..... Selection of the appropriate PPE should be based on a safety evaluation of the workplace—relative to the task(s) to be performed and the performance characteristics of the PPE. Under normal use according to label instructions, wear safety glasses with side shields (or goggles) and nitrile gloves. Face shields can be used for improved coverage and safety, when product is likely to splash. Keep out of reach of children.

INGREDIENT	C.A.S. NUMBER	OSHA PEL*
Water	7732-18-5	No limits established
Distillates (petroleum), hydrotreated middle	64742-46-7	500 ppm, 2000 mg/m ³
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	61789-77-3	No limits established
2-Butoxyethanol	111-76-2	50 ppm, 240 mg/m ³
Amines, C ₁₄₋₁₈ and C ₁₆₋₁₈ -unsatd. alkyl, ethoxylated	68155-39-5	No limits established
Hexylene glycol	107-41-5	No limits established
Organically Modified Ceramic Compound	Not Required	No limits established

**When OSHA 8-hour TWA; STEL (ST); and Ceiling (C) PEL values are not established, NIOSH REL; ACGIH TLV; and AIHA WEEL values will be shown in that order, and indicated as such.*

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9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR: Very light golden, transparent liquid with no significant odor.
ODOR THRESHOLD: N/A
pH: 7.0 – 9.0
MELTING POINT: N/A
FREEZING POINT: N/A
BOILING POINT: 210 degrees F.
BOILING POINT RANGE: N/A
FLASHPOINT: This product is non-flammable.
EVAPORATION RATE: N/A
FLAMMABILITY (solid/gas): ... N/A
EXPLOSION LIMITS: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY (AIR=1): Greater than 1.
SPECIFIC GRAVITY: 0.97
SOLUBILITY IN WATER: Completely soluble.
PARTITION COEFFICIENT: N/A
AUTO-IGNITION TEMPERATURE: N/A
DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: Water thin.

10 – STABILITY and REACTIVITY

STABILITY: Stable under normal conditions.
INCOMPATIBILITY: Do not mix with strong oxidizers/reducing agents or other chemicals.
HAZARDOUS DECOMPOSITION: Carbon oxides, nitrogen oxides, chlorine gas and/or chlorine compound fumes.
HAZARDOUS POLYMERIZATION: This product is not known to polymerize.

11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY: Absorption through skin and eyes. Ingestion. Inhalation.
LISTED CARCINOGEN: There are no chemicals that comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).
MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing dermatitis.
INHALATION: Undiluted product may be fatal if significant amount enters airways. Prolonged exposure may cause irritation to the mouth, nose and respiratory tract.
INGESTION: Undiluted product may be harmful to health; and may cause discomfort or irritation to the mouth, esophagus and stomach, if ingested. Undiluted product may also be fatal if swallowed and then enters airways.
EYES: This product can cause serious irritation, burns, blindness or other permanent damage if not immediately flushed from eyes.

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SKIN (DERMAL): This product can cause discomfort, irritation and redness to the exposed area if not flushed from skin.

ACUTE TOXICITY* (ORAL):3,866.98 mg/kg

ACUTE TOXICITY* (DERMAL):>5,000 mg/kg

ACUTE TOXICITY* (INHALATION):>20,000 ppm V (Gas), >20 mg/l (Vapor), >5 mg/l (Dust)

**Determined using the additivity formula for mixtures (GHS Purple Book, 3.1.3.6).*

12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION: N/A

13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: As recommended by local, state and federal authorities.

14 – TRANSPORTATION INFORMATION

U.S. DOT:

PROPER SHIPPING NAME: Not regulated for domestic shipments acc. DOT HMR.

HAZARD CLASS:

UN/NA NUMBER:

PACKING GROUP:.....

IMDG:

PROPER SHIPPING NAME: Not regulated for international shipments acc. IMDG CODE.

HAZARD CLASS:

UN NUMBER:.....

PACKING GROUP:.....

MARINE POLLUTANT: No

IATA:

PROPER SHIPPING NAME: Not regulated for international shipments acc. IATA DGR.

HAZARD CLASS:

UN NUMBER:.....

PACKING GROUP:.....

15 – REGULATIONS

Contents of this SDS comply with OSHA Hazard Communication Standard 29CFR 1910.1200.

CALIFORNIA PROPOSITION 65: **WARNING:** This product can expose you to chemicals including 1,4-Dioxane, which is known to the State of California to cause cancer, and Ethylene oxide, which is

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known to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

INGREDIENT	C.A.S. NUMBER	LISTED DATE
1,4-Dioxane	123-91-1	01/01/1988 (Cancer)
Ethylene oxide	75-21-8	07/01/1987 (Cancer) 08/07/2009 (Developmental & Male Reproductive Toxicity) 02/27/1987 (Female Reproductive Toxicity)

16 – OTHER INFORMATION

NFPA:
HEALTH: 3
FLAMMABILITY: 0
REACTIVITY: 0
OTHER: None

ADDITIONAL: The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe—read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

REVISION DATE: 05/30/2025