

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification:

Product Name: WaterArmor

Company: T. Clear Corporation, 3255 Symmes Road, Hamilton, Ohio 45015
 Emergency Contact: (800) 544-7398

2. Composition/Information on Ingredients:

<u>Chemical Name</u>	<u>WT%</u>	<u>TLV</u> <u>(mg/m³)</u>	<u>PEL</u> <u>(mg/m³)</u>	<u>CAS</u> <u>Number</u>	<u>STEL</u>	<u>CEIL</u>
Silica, Crystalline Quartz	15.00 - 40.00	0.05	0.1	14808-60-7	(NE)	(NE)

(T) - Total

(R) - Respirable

(NE) - Not Established

(P) - Proprietary

This document was prepared pursuant to the OSHA hazard communication standard (29 CFR 1910.1200). In addition, other substances not hazardous per this OSHA standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard. This document has been taken from MSDS information supplied to us from Degussa Wall Systems.

3. Physical and Chemical Properties:

Boiling Point.....	No data available
Melting Point.....	No data available
Freeze Point	No data available
Vapor Pressure	No data available
Vapor Density.....	Heavier than air
Partition coefficient (n-octanol/water)	No data available
Evaporation Rate.....	Slower than Butyl acetate
Solubility in water.....	Dilutable
Specific Gravity/Density	1.5
Viscosity.....	No data available
Odor	Mild acrylic
Odor Threshold.....	No data available
pH.....	9-10
Physical State.....	Liquid
VOC Concentration as applied:	11 g/l
(less than water and exempt solvents)	

4. Fire and Explosion Hazard Data:

Flash Point.....	>200.01°F (93.34°C)
Flammable Limits LFL.....	No data available
Flammable Limits UFL.....	No data available
Extinguishing Media.....	Water fog, foam, carbon dioxide (CO2), dry chemical

Hazardous Combustion Products: No data available.

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Fire-fighting Instructions: Suitable extinguishing methods include water fog, foam, carbon dioxide (CO₂), and dry chemical.

Protective Fire-fighting Equipment: As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

5. **Reactivity Data:**

Stability: Stable under recommended storage conditions.

Conditions To Avoid - No data available.

Materials to Avoid - Strong acids and strong bases.

Hazardous Decomposition Products: No data available.

Hazardous Polymerization: Will not occur under normal conditions.

6. **Health Hazard Data:**

Eye: Can cause slight irritation.

Skin Contact: Can cause slight irritation.

Ingestion: Can cause slight irritation.

Inhalation: Can cause slight irritation.

Systemic (Other Target Organ) Effects: No data available

Cancer Information: This product contains Crystalline (quartz) Silica, which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) Silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of this product.

Carcinogenicity	ACGIH	IARC	NTP	OSHA
Silica, Crystalline Quartz	Suspected human carcinogen	Human carcinogen	(NE)	(NE)

Teratology (Birth Defects): No data available.

Reproductive Effects: No data available.

7. **First Aid:**

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

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Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim from exposure. If there is difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

8. Handling and Storage:

Handling: Keep out of reach of children. For personal protection see section 10.

Storage: Keep tightly closed.

9. Accidental Release Measures: (See Section 15 for Regulatory Information)

Containment Procedures: Take action to eliminate source of leak; contain spill by diking.

Cleanup Procedures: Wear appropriate protective equipment (refer to section 10). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

Special Procedures: None known.

10. Exposure Controls/Personal Protection:

Engineering Controls: Local exhaust ventilation can be necessary to control any air contaminants to within their TLV's during the use of this product.

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

Skin Protection: Wear as appropriate: impervious clothing, preventive skin protection and/or impervious gloves.

Eye Protection: Wear as appropriate: safety glasses with side-shields, goggles and/or face shield.

Hygienic Practices: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of the workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

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11. Toxicological Information:

Acute inhalation toxicity

	Type	Value	Species	Exposure Time
<i>Product</i>	LC50	No data available		
<i>Component</i>				
Silica, Crystalline Quartz	LC50	No data available		

Acute oral toxicity

	Type	Value	Species	Exposure Time
<i>Product</i>	LD50 (Oral)	No data available		
<i>Component</i>				
Silica, Crystalline Quartz	LD50 (Oral)	1,300 mg/kg		

Acute dermal toxicity

	Type	Value	Species	Exposure Time
<i>Product</i>	LD50 (Dermal)	No data available		
<i>Component</i>				
Silica, Crystalline Quartz	LD50 (Dermal)	No data available		

12. Ecological Information:

Movement & Partitioning: No data available.

Degradation & Persistence: No data available.

Ecotoxicity: There is no data available for this product.

13. Disposal Considerations: (See Section 15 for Regulatory Information)

Disposal: Handle disposal of waste material in a manner, which complies with local, state, province and federal regulations.

For unused & uncontaminated product, use excess product in an alternate beneficial application.

For additional information, refer to Section 8, Handling & Storage Information.

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Degussa Wall Systems can provide names of information resources to help identify waste management companies and other facilities, which recycle, reprocess or manage SEALGUARD. Call Degussa Wall Systems at (800) 424-9300 for further details.

14. **Transportation Information:**

Department of Transportation (DOT): Proper shipping name - Not regulated.

International Air Transport Association (IATA): Proper shipping name - Not regulated.

15. **Regulatory Information:** (Not meant to be all-inclusive - selected regulations represented)

NOTICE: The information contained herein is based on data considered to be accurate. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State/Provincial, and local laws. While the information is believed to be reliable, NO Warranty, expressed or implied, is given in regards to the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, it is the user's obligation to determine the conditions of safe use of the product. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

SARA 311/312 (RTK): This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions to meet the following categories:
IMMEDIATE (ACUTE) HEALTH HAZARD

SARA 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name	WT%	CAS Number
This product contains no chemical subject for the SARA 313 supplier notification requirements.		

CERCLA: CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product:

Chemical Name	RQ	CAS Number
NO CERCLA chemicals exist in this product above reportable concentrations.		

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TSCA Section 12(b) Export Notification: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b), if exported from the United States:

<u>Chemical Name</u>	<u>CAS Number</u>
Benzyl Chloride	100-44-7

California Proposition 65: The chemical(s) below, and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at <0.1%:

<u>Chemical Name</u>	<u>CAS Number</u>
Silica, Crystalline Quartz	14808-60-7
Carbon Black	1333-86-4
Benzyl Chloride	100-44-7
Ethylene Oxide	75-21-8
Benzene	71-43-2
Toluene	108-88-3
Mercury	7439-97-6
Inorganic Lead	7439-92-1
Arsenic	7440-38-2
4-Vinylcyclohexene	100-40-3
1,3-Butadiene	106-99-0
Ethyl Benzene	100-41-4

16. Other Information:

HMIS Ratings:

Health	1*
Flammability	1
Physical Hazard	0

WHMIS Class: D2B