



SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: TILE & VINYL CLEANER

Synonym(s):

Recommended Uses: Removes Oil and Grime from Tile and Vinyl Surfaces

SDS Reference: 102

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WATER TECHNIQUES, INC
6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
GAINESVILLE, FL 32607 NEWBERRY FL 32669
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: CORROSIVE
REPRODUCTIVE TOXIN



Signal Word: DANGER

Hazard Statements: HEALTH HAZARDS:

Skin Corrosion/Irritant: Causes severe skin burns and eye damage - Category 1B - H314

Eye Damage/Irritation: Causes serious eye damage - Category 1 - H318

Reproductive Toxin - May damage fertility or the unborn child - Category 1B - H360

Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist / vapors / spray. Wash thoroughly after handling. Wear protective gloves / eye protection / face protection. Store locked up. Dispose of contents / container in accordance with local / national regulations.

Eye Contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists, get medical advice / attention.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs, get medical advice / attention. Take off contaminated clothing and wash before reuse.

Inhalation: IF exposed or concerned: Get medical advice / attention.

Ingestion: IF exposed or concerned: Get medical advice / attention.

3. COMPOSITION

	PERCENT %	CAS #
Chemical Name: Hydrochloric Acid	1.0 - 10	7647-01-0
Amines, Tallow Alkyl, Ethoxylated	1.0 - 10	61791-26-2
Boric Acid	1.0 - 10	10043-35-3

The specific identity and/or percentages of this product are being withheld as a trade secret. The specific hazards of this product are noted in the applicable sections of this document.

4. FIRST AID

If In Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

If on Skin or Clothing: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

If Inhaled: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

If Swallowed: Dilute the acid immediately by drinking water or milk. If vomiting persists, administer fluids repeatedly. Place in care of a physician.

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable: Water, fog, carbon dioxide, foam, dry chemical

Extinguishing Media:

Specific Hazards from Chemical: Hazardous decomposition: When heated, emits highly toxic and corrosive fumes of hydrogen compounds and hydrogen gas. Do not breathe mist / vapors / spray.



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Special Protective Equipment: See Section 8
Other Information: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on appropriate personal protective equipment (see Section 8).

Methods and Materials for cleanup: Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
Large Spill: Dam area to prevent spill from entering fish-bearing waters. Pump into disposable container.
Small Spill: Product may be neutralized with weak base such as sodium bicarbonate. Flush to sewer with water. Contain, dilute cautiously with water, and neutralize with soda ash or lime.

7. HANDLING AND STORAGE

Handling: Keep container tightly closed.

Storage: Store closed containers in a cool, well ventilated area. Do not store near oxidizers or strong bases.
Incompatible materials: Avoid contact with concentrated, strong bases, strong oxidizers, chlorites & hypochlorites.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: Hydrochloric Acid:
OSHA: C 5 ppm (7 mg/m³)
ACGIH: Ceiling: 2 ppm - Revised 2003
NIOSH: C 5 ppm (7 mg/m³)

Boric Acid:
ACGIH: TWA: 2 mg/m³STEL: 6 mg/m³

No other established limits available.

Appropriate Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Individual Protection Measures: Respiratory Protection: None required.
Eye Protection: Wear safety glasses or goggles. Eye wash fountains in work area are recommended.
Skin Protection: Employees should wear an impervious apron or impervious clothing to protect from splashes. Chemical impervious gloves required.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Purple Clear Liquid	Flammability (solid/gas):	No data available
Odor:	No odor	Upper/lower Flammability or	No data available
Odor Threshold:	No data available	Exposure limits:	
pH:	2.0	Vapor Pressure:	Same as water
Melting	No data available	Vapor Density:	No data available
Point/Freezing Point:		Density:	8.512 lbs/gal
		Solubility(ies):	Complete
Initial Boiling	212°F (100°C)	Partition Coefficient: n-octanol/water:	No data available
Point/Boiling Range:		Auto-ignition Temperature:	No data available
Flash Point:	No data available	Decomposition Temperature:	No data available
Evaporation Rate:	No data available	Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: Stable under normal storage conditions

Possibilities of Hazardous Reactions: Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Avoid extremes in temperature and open flames.



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Incompatible Materials: Avoid contact with concentrated, strong bases, strong oxidizers, chlorites & hypochlorites.

Hazardous Decomposition Materials: When heated, emits highly toxic and corrosive fumes of hydrogen compounds and hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: COMPONENT TOXICITY:

Boric Acid:

Oral LD50: 2660 mg/kg (Rat)

Dermal LD50: 2000 mg/kg (Rabbit)

Dust/Mist LC50: 2.00 mg/L/4hr

Hydrochloric Acid:

Oral LD50: 900 mg/kg (Rabbit)

Dermal LD50: 5010 mg/kg (Rabbit)

Vapor LC50: 781 (Mouse)

Gas LC50: 3124 (Rat)

No other component toxicity data is available.

Acute Toxicity Estimates (ATE)

Skin corrosion/irritation - Category 1B

Serious eye damage/irritation - Category 1

Reproductive toxicity - Category 1B

Chronic Toxicity: No data available

Reproductive Toxicity: No data available

Carcinogenicity: Hydrochloric acid is listed under IARC Group 3.

Mutagenicity: No data available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: COMPONENT TOXICITY:

Boric Acid

LC50 (96h): 279 mg/l (Fish)

EC50 (48h):133 mg/l (Daphnia magna)

Hydrochloric Acid

LC50 (96h): 282 mg/l (Gambusia affinis)

EC50 (48h):260 mg/l (Crangon crangon)

Amines, tallow alkyl, ethoxylated

LC50 (96h):1.40 mg/l (Oncorhynchus gorbuscha)

EC50 (48h): 5.20 mg/l (Daphnia magna)

No other toxicity data is available.

Avian Toxicity: No data available.

Environmental Hazards: The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

Disposal: Product Disposal: Consult appropriate Federal, State and Local regulatory agencies for proper disposal procedures.

Container Disposal: Thoroughly rinse containers and dispose in an acceptable land fill.

14. TRANSPORTATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT: UN1760, Corrosive liquid, n.o.s. (contains Hydrochloric Acid), 8, PG II



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15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory.

SARA (311, 312): Acute Health Hazard

SARA 313: Hydrochloric Acid is listed

Right To Know Hazardous Substance List: California - This product is not listed on California Prop 65.
New Jersey: Hydrochloric Acid is listed.
Pennsylvania: Hydrochloric Acid is listed.

Waste Classification: No data available.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: Hydrochloric Acid (5000 lbs)

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: No data available

NFPA Rating: No data available

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Special Hazard Warning: Not applicable