



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME (AS LABELED): **Tile Guard Heavy-Duty Acidic Cleaner**
PRODUCT CODE: 93305-30
SUPPLIER/MANUFACTURER'S NAME: **HOMAX PRODUCTS, Inc.**
ADDRESS: 200 Westerly Rd.
 Bellingham, WA 98226
CHEMTREC EMERGENCY NO.: 1-800-424-9300 (United States)
 1-703-527-3887 (International Collect)
BUSINESS PHONE: 1-800-729-9029
DATE OF PREPARATION: October 2, 2007

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
2-Butoxyethanol	111-76-2	1-5
Ethoxylated Alkyl Phenol	9036-19-5	1-5
Phosphoric Acid	7664-38-2	10-20
Hydrochloric Acid	7647-01-0	10-20

*The ingredients in the balance of this product do not contribute significant hazards beyond those described in this document. All pertinent health, safety and environmental information has been presented, per the requirements of the US Federal OSHA Hazard Communication Standard (29CFR 1910.1200).

SECTION 3 – HAZARDS IDENTIFICATION

Potential Health Effects:

Eye: Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.

Skin: Corrosive! Can cause redness, pain, and severe skin burns.

Ingestion: POISON: MAY BE FATAL IF SWALLOWED. CORROSIVE! Can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. May cause nausea, vomiting, and diarrhea, and in severe cases, death.

Inhalation: Corrosive! Inhalation of vapors can cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract, and in severe cases, can lead to chemical pneumonitis and pulmonary edema.

Chronic Exposure: Long term exposure to concentrated vapors may cause erosion of teeth. Long term exposures seldom occur due to corrosive properties of the acid.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Skin: Immediately flush skin with plenty of water for at least 15 minutes. Remove any contaminated clothing and wash thoroughly before reuse.

Eye: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of water and get medical attention immediately. Never give anything by mouth to an unconscious person.

=====

SECTION 5 - FIRE FIGHTING MEASURES

=====

Flash Point (Method): Not Applicable

LEL: Not Applicable

UEL: Not Applicable

Autoignition Temperature : Not Applicable

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire. Do not use water jet.

Special Fire Fighting Procedures: Vapors may result from heating of product during a fire. Avoid inhalation of vapors and maintain a safe distance when using water spray. Wear self-contained breathing apparatus and protective clothing appropriate for fighting typical chemical fires.

=====

SECTION 6 – ACCIDENTAL RELEASE MEASURES

=====

Leak and Spill Procedure: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. US Regulations (CERCLA) require reporting spills and release to soil, water and air in excess of reportable quantities.

=====

SECTION 7 – HANDLING AND STORAGE

=====

POISON: MAY BE FATAL IF SWALLOWED. DANGER: Contains Hydrochloric Acid and Phosphoric Acid. **CORROSIVE:** Causes severe burns. Do not get in eyes, on skin or clothing. **VAPORS HARMFUL:** Do not breathe or swallow vapor or fumes. Fumes are corrosive to metal. Do not use chlorine bleach, mildew removers, or any other products, as toxic fumes may result.

Store securely closed in original container in a well ventilated area inaccessible to small children or pets. Do not reuse empty container. When empty, rinse thoroughly with water and recycle container or discard in the trash. **Keep Out Of Reach Of Children.**

=====

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

=====

Exposure limits for the product have not been determined. The following are known exposure limits for individual components of the mixture:

Airborne Exposure Limits:

For Hydrochloric Acid:

OSHA PEL: 5 ppm (Ceiling); ACGIH TLV: 2 ppm (Ceiling), A4-Not classifiable as a human carcinogen

For Phosphoric Acid:

OSHA PEL: 1 mg/m³ (TWA); ACGIH TLV: 1 mg/m³ (TWA), 3 mg/m³ (STEL)

For Ethoxylated Alkyl Phenol:

Not Available

For 2-Butoxyethanol:

OSHA PEL: 50 ppm skin; ACGIH TLV: 20 ppm (TWA), A3-Confirmed animal carcinogen with unknown relevance to humans

Engineering Controls: For normal recommended usage, use only in well ventilated areas. Avoid prolonged breathing of vapor. For occupational settings, a system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Respiratory protection: None required for normal recommended use, avoid prolonged breathing of vapors. For occupational settings, if the exposure limit is exceeded and engineering controls are not feasible, use a NIOSH-approved respirator. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Eye protection: Use chemical safety goggles and/or a full face shield where splashing is possible.

Skin protection: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Other protective clothing or equipment: Eyewash fountain and quick-drench facilities in work area.

Work Hygienic Practices: Wash thoroughly with soap and water after handling. Remove and wash any contaminated clothing and clean shoes before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: water white-pale yellow liquid
ODOR: pungent acid odor
BOILING POINT: Not Available
FREEZING POINT: Not Available
WATER SOLUBILITY: Not Available
VAPOR PRESSURE: Not Determined
PH: < 0.5
EVAPORATION RATE: Not Applicable
VOLATILES (% by weight): Not Applicable
VISCOSITY: Not Available
DENSITY (lbs/gal): 9.24 -9.34

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of handling.

Hazardous Decomposition Products: May evolve unknown amounts of hydrochloric acid fumes. Carbon monoxide and carbon dioxide.

Incompatible Materials: Do not mix with other household products, especially chlorine bleach or mildew stain removers or any other chemical products. Fumes are toxic and corrosive to metals.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:

-----CANCER LISTS-----

<u>INGREDIENT CATEGORY</u>	<u>CAS#</u>	<u>NTP KNOWN</u>	<u>NTP ANTICIPATED</u>	<u>IARC</u>
Hydrochloric Acid	7647-01-0	NO	NO	3
2-Butoxyethanol	111-76-2	NO	NO	NONE
Phosphoric Acid	7664-38-2		NO	NONE
Ethoxylated alkyl phenol	9036-19-5	NO	NO	NONE

Toxicity:

The following are component data:

Hydrochloric acid: Inhalation rat LC50: 3124 ppm/1H; Oral rabbit LD50: 900 mg/kg; Dermal rabbit LD50: > 5010 mg/kg

2-Butoxyethanol: Oral rat LD50: 470 mg/kg; Inhalation rat LC50: 450 ppm/4H; Skin rabbit LD50: 220 mg/kg

Phosphoric Acid: Oral rat LD50: 1530 mg/kg; Inhalation rat LC50: > 850 mg/m³/1H; Dermal rabbit LD50: 2730 mg/kg

Ethoxylated alkyl phenol: Oral rat LD50: 1800 mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Strong mineral acid content, dike and contain large spills to prevent runoff from entering wetlands, streams, creeks, rivers, ponds, lake, or other bodies of water. May be hazardous to wildlife and fish.

SECTION 13 – DISPOSAL CONSIDERATIONS

Follow federal, provincial or state and local government requirements for disposal. Container disposal: Do not reuse empty container. Carefully rinse empty container and wrap in newspaper then discard in trash or rinse and recycle if appropriate.

=====

SECTION 14 - TRANSPORT INFORMATION

=====

U.S. DOT (Road or Rail):

Proper Shipping Name: ORM-D Consumer Commodity
 Hazard Class: N/A
 ID Number: N/A
 Packing Group: N/A

AIR / WATER / INTERNATIONAL TRANSPORT:

Proper Shipping Name: Corrosive liquids, acidic, inorganic n.o.s. (Hydrochloric acid, Phosphoric acid)
 Hazard Class: 8
 ID Number: UN3264
 Packing Group: II

=====

SECTION 15 - REGULATORY INFORMATION

=====

Toxic Substances Control Act (TSCA): All ingredients of this product are listed or are exempt from listing on the TSCA inventory.

Canadian Domestic Substance List (DSL): All ingredients are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

SARA 302: Hydrochloric Acid (7647-01-0)

SARA 313: Hydrochloric Acid (7647-01-0), 2-Butoxylated (111-76-2),

CERCLA: Hydrochloric Acid (7647-01-0), Phosphoric Acid (7664-38-2)

PROP 65: None

WHMIS Classification: D2B, E

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

=====

SECTION 16 - OTHER INFORMATION

=====

This product is sold to consumers for household use in containers of relatively small volume (i.e. 5 gallon or less in size). This MSDS has been developed to address safety concerns affecting those individuals working in warehouses and other places where large numbers of these containers are stored, as well as those affecting potential users of this product in industrial /occupational settings. All pertinent health, safety and environmental information have been presented in this document, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.

Disclaimer: As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, including, but not limited to merchantability or fitness for a particular use, is made concerning this product. The user assumes all risk of use or handling whether or not in accordance with any directions or suggestions of the supplier. Seller shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our products, from breach of any warranty or from any other cause, the exclusive remedy against the seller being to require replacement or repair of defective goods.
