



## MATERIAL SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME (AS LABELED):** Tile Guard Extra Strength Tile and Grout Cleaner  
**PRODUCT CODE:** 93313  
**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:** September 24, 2007

### SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

| CHEMICAL NAME    | CAS NUMBER | WEIGHT % |
|------------------|------------|----------|
| TETRASODIUM EDTA | 64-02-8    | 1-5      |
| IPA              | 67-63-0    | 1-5      |

\*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 Acute Health Effects:

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation.

**Ingestion:** Do not ingest. May cause gastrointestinal pain, cramps, nausea, vomiting, and diarrhea.

**Inhalation:** Causes respiratory tract irritation. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headaches, staggering, unconsciousness and possibly death.

#### Chronic Effects:

None known

**Aggravation of Pre-existing Conditions:** Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

**Primary Route(s) of Exposure:** Eye contact, skin contact and inhalation

### SECTION 4 - FIRST AID MEASURES

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

**Skin:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and launder before reuse. Seek medical attention if irritation persists.

**Eye:** Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** Never give anything by mouth to an unconscious person. If swallowed, drink 2-3 large glasses of water and get medical attention immediately.

### SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point (Method):** > 200 F (93.3 C)

**LEL:** Not Applicable

**UEL:** Not Applicable

**Autoignition Temperature :** Not Applicable

**Extinguishing Media:** Water spray, foam, carbon dioxide, and dry chemical.

**Special Fire Fighting Procedures:** Evacuate personnel to a safe area. Avoid breathing decomposition products. Wear self-contained breathing apparatus and full body protection.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedure:** Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (sand) and placed in suitable, covered, labeled containers. For large spills provide diking or other appropriate containment to keep material from spreading. Prevent large spills from entering sewers or waterways. If diked material can be pumped, store recovered material in compatible drums for recovery or disposal. Observe all personal protection equipment recommendations.

## SECTION 7 – HANDLING AND STORAGE

Keep container closed and dry. Avoid inhalation and prolonged repeated contact skin and eye contact.

**Keep Out Of Reach Of Children.**

## SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:** Not normally required. General dilution ventilation.

**Respiratory protection:** Not normally required. Avoid breathing spray mists. If airborne concentrations become irritating use a NIOSH approved respirator.

**Eye protection:** Use chemical goggles or glasses with side shields.

**Skin protection:** Use chemical resistant gloves.

**Other protective clothing or equipment:** Eye wash, Safety Shower, Protective Clothing.

**Work Hygienic Practices:** The usual precaution for the handling of chemicals must be observed.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Clear, amber liquid with slight alcohol odor

**BOILING POINT:** Not Determined

**FREEZING POINT:** Not Determined

**WATER SOLUBILITY:** Miscible

**VAPOR PRESSURE:** Not Determined

**PH:** Not Determined

**EVAPORATION RATE:** ~ 1.0

**Volatiles (% by weight):** Not Determined

**Viscosity:** Not Determined

**SPECIFIC GRAVITY:** ~ 1.0

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions to Avoid:** Avoid prolonged storage at elevated temperatures.

**Incompatible Materials:** strong oxidizers, aluminum, zinc and other metals

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Thermal decomposition includes carbon dioxide, carbon monoxide, and nitrous oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Carcinogenicity:** Product carcinogenicity has not been determined. The following data is available for the individual components.

| <u>Ingredient</u> | <u>NTP</u> | <u>OSHA Regulated</u> | <u>IARC Monograph</u> |
|-------------------|------------|-----------------------|-----------------------|
| IPA               | No         | No                    | 3                     |
| EDTA              | No         | No                    | No                    |

Sodium salts of EDTA have been reported to cause birth defects in animals at very high doses not expected in occupational exposures. These effects were observed only at dose levels that were toxic to the animal's mother. These effects are likely associated with zinc deficiency due to chelation. Exposures having no effect on the mother should have no effect on the fetus.

Product toxicity has not been determined.

Following are component data:

#### EDTA

Irritation and toxicity data listed in Registry of Toxic Effects of Chemical Substances under AH5075000.

Irritation data: Skin Rabbit 500mg/24H = Moderate (1972). Eye Rabbit 100 mg/24H = Moderate (1972).

Toxicity data: Intraperitoneal Mouse LD50 = 330 mg/kg (1962). Toxic effects may included acute renal failure and acute tubular necrosis.

#### IPA

Irritation data: 500 mg skin-rabbit mild; 100 mg eyes-rabbit severe; 10 mg eyes-rabbit moderate; 100 mg/24 hour(s) eyes-rabbit moderate

Toxicity data: Oral, mouse: LD50 = 3600 mg/kg; Oral, rabbit: LD50 = 6410 mg/kg; Oral, rat: LD50 = 5045 mg/kg

### SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available on the mixture. The following data is available for the individual components.

| Component        | Test/Species                  | Exposure/<br>Duration | Test Results                                                                                                                                                                                                               |
|------------------|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isopropanol      | Flat minnow                   | 96-h                  | LC50=100mg/L                                                                                                                                                                                                               |
|                  | Golden orfe                   | 48-h                  | LC50=8970mg/L                                                                                                                                                                                                              |
|                  | Goldfish                      | 24-h                  | GT5000mg/L                                                                                                                                                                                                                 |
| Tetrasodium EDTA | Bluegill Sunfish              | 96-h                  | LC50=157mg/L, 1030mg/L and 2070 mg/L for product containing 39% Tetrasodium EDTA in very soft water, medium hard water and very hard water respectively. LC50=486mg/L for solid Tetrasodium EDTA Tested in very hard water |
|                  | Daphnia Magna                 | 24-h                  | EC50=610mg/L                                                                                                                                                                                                               |
|                  | Bacteria (Protozoa            | Unknown               | EC50=663mg/L                                                                                                                                                                                                               |
|                  | Paramecium)-Growth Inhibition |                       |                                                                                                                                                                                                                            |

**Chemical fate:** No data available for product. Tetrasodium EDTA is not expected to undergo hydrolysis. The substance is not expected to enter the atmosphere significantly due to its high water solubility.

**Environmental fate:** No data available for product. Tetrasodium EDTA (39% in water) was not biodegraded over 28 days in the Sturm CO2 evolution test. Tetrasodium EDTA was not biodegradable in the Closed Bottle Test conducted with natural seawater. When released into the soil, IPA may leach into groundwater. When released into the soil, IPA may biodegrade to a moderate extent. When released to water, IPA is expected to quickly evaporate. When released into the air, IPA may be removed from the atmosphere to a moderate extent by weight deposition.

### SECTION 13 – DISPOSAL CONSIDERATIONS

Follow federal, provincial or state and local government requirements for disposal.

### SECTION 14 - TRANSPORT INFORMATION

**U.S. DOT (Road or Rail):** Not Regulated

Proper Shipping Name:

Hazard Class:

ID Number:

Packing Group:

**AIR / WATER / INTERNATIONAL TRANSPORT:** Not Regulated

Proper Shipping Name:

Hazard Class:

ID Number:

Packing Group:

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**SECTION 15 - REGULATORY INFORMATION**

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**Toxic Substances Control Act (TSCA):** All the ingredients are listed on the inventory

**Canadian Domestic Substance List (DSL):** All ingredients are listed.

**SARA 302:** No

**SARA 313:** Isopropyl alcohol

**CERCLA:** No

**PROP 65:** No

**WHMIS Classification:** Not Controlled

**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).

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**SECTION 16 - OTHER INFORMATION**

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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.

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