

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT IDENTIFICATION

**TRADE NAME (AS LABELED):** HOMAX POPCORN CEILING PATCH  
**PRODUCT CODES:** #5220, #5225, #5925, #5225-06  
**PRODUCT USE:** Repair Product  
**SUPPLIER/MANUFACTURER'S NAME:** HOMAX PRODUCTS, INC.  
**ADDRESS:** 200 Westerly Road  
 Bellingham, WA 98226  
 1-800-424-9300 (United States)  
 1-703-527-3887 (International Collect)  
**CHEMTREC EMERGENCY NO.:** 1-800-729-9029  
**BUSINESS PHONE:** 1-800-729-9029  
**DATE OF PREPARATION:** February 27, 2010

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.

### 2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR						
			ACGIH-TLV		OSHA-PEL		NIOSH-REL		
			TWA	STEL	TWA	STEL	TWA	STEL	IDLH
			mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>
Calcium carbonate	1317-65-3	30 - 60	10	NE	15 * 5 **	NE	10 * 5 **	NE	NE
Kaolin	1322-58-7	10 - 30	NE	NE	NE	NE	NE	NE	NE
Silica, crystalline	14808-60-3	1 - 5	0.05 **	NE	10 mg/m <sup>3</sup> %	SiO <sub>2</sub> +2	0.05 **	NE	50
Attapulgite	12174-11-7	1 - 5	NE	NE	NE	NE	NE	NE	NE
Polystyrene	9003-53-6	1 - 5	NE	NE	NE	NE	NE	NE	NE
Starch	9005-25-8	1 - 5	10	NE	15 * 5 **	NE	10 * 5 **	NE	NE
Water and ingredients present in concentrations of less than 1% (or less than 0.1% if carcinogens)		<b>Balance</b>	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 have been presented, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.						

NE = Not Established. \* = total dust; \*\* = respirable dust. See Section 16 for Definitions of Terms Used.

**NOTE (1):** ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW:

**PHYSICAL DESCRIPTION:** This product is a white slurry of odorless sand-like material.

**HEALTH HAZARD:** This product can cause irritation to the eyes or skin. This product is harmful if swallowed or inhaled.

If vapors, mists or particulates of this product are inhaled, irritation of the nose or throat could occur. Dusts from this product can contain small amounts of crystalline Silica, a recognized carcinogen.

**FIRE HAZARD:** This product is non-combustible.

**REACTIVITY HAZARD:** This product is stable under ordinary conditions of use and storage.

**ENVIRONMENTAL HAZARD:** This product does not normally present a significant hazard to aquatic or terrestrial life in

consumer quantities.

**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:** The most significant route of occupational overexposure is contact with skin and eyes. The symptoms of overexposure to this product are as follows:

**INHALATION:** Vapors, mists, sprays, or dusts of this product can cause irritation to the respiratory tract. Dusts from this product can contain small amounts of crystalline Silica, a recognized carcinogen. Exposure to high concentrations of crystalline Silica can also cause silicosis.

**CONTACT WITH SKIN or EYES:** Contact can cause eye or skin irritation. Prolonged skin contact can result in dermatitis.

**SKIN ABSORPTION:** No component of this product is reported to be absorbed through intact skin.

**INGESTION:** If the product is swallowed, irritation of the mouth, throat, and other tissues of the gastro-intestinal system can occur. Ingestion of large amounts can cause irritation, pain, vomiting, and diarrhea.

**INJECTION:** Accidental injection of this product can cause burning, reddening, and swelling in addition to the wound.

Symptoms of such exposure can include those described under "Inhalation", "Contact with Skin or Eyes," and "Ingestion".

**TARGET ORGANS:** Acute: Eyes, skin. Chronic: Lungs.

#### Hazardous Materials Identification System (HMIS)

Health	1*
Flammability	0
Physical Hazard	0
Protective Equipment	B

## 4. FIRST-AID MEASURES

Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

**SKIN EXPOSURE:** If this product contaminates the skin, immediately wash with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention if any adverse exposure symptoms develop.

**EYE EXPOSURE:** If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

**INHALATION:** If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

**INGESTION:** If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**FLAMMABLE LIMITS (in air by volume, %):**

Lower: Not applicable. Upper: Not applicable.

**FIRE EXTINGUISHING MATERIALS:** This material will not significantly contribute to the intensity of a fire. Use extinguishing material suitable to the surrounding fire.

Water Spray: OK Carbon Dioxide: OK Foam: OK

Dry Chemical: OK Halon: OK Other: Any "ABC" Class.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When involved in a fire, this material can decompose and produce irritating fumes and toxic gases (e.g., Carbon monoxide, Carbon dioxide).

Explosion Sensitivity to Mechanical Impact: Not sensitive under normal conditions.

Explosion Sensitivity to Static Discharge: Not sensitive under normal conditions.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Trained personnel using pre-planned procedures should respond to uncontrolled releases. Proper protective equipment should be used. In case of a spill, clear the affected area and protect people.

**RESPONSE TO SMALL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Respond to incidental chemical releases by wearing gloves, goggles, and appropriate body protection.

**RESPONSE TO LARGE RELEASES:** Respond to large releases of this product by clearing the impacted area and contacting appropriate emergency personnel. Clean up should only be done by qualified personnel. Responders should wear the level of protection appropriate to the type of chemical released, the volume of the material spilled, and the location where the incident has occurred.

**RESPONSE EQUIPMENT AND PROCEDURES:** Absorb spilled liquid with polypads or other suitable absorbent materials. Decontaminate the area thoroughly. Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Place all spill residues in a suitable container and seal. Dispose of in accordance with applicable Federal, State, or local procedures or appropriate standards.

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## 7. HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after using this product. Do not eat or drink while using this material. Avoid generating dusts, mists or sprays of this product. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Keep container tightly closed when not in use. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged.

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## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients).

**RESPIRATORY PROTECTION:** None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control dusts, mists, fumes or vapors. Maintain airborne contaminate concentrations below guidelines listed in Section 2 (Composition and Information on Ingredients).

**EYE PROTECTION:** Wearing eye protection, safety glasses or goggles, is advisable. However, for specific industrial applications, enhanced eye protection can be necessary. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or appropriate Canadian standards.

**HAND PROTECTION:** Wearing protective gloves is recommended. For specific industrial applications, wear chemical impervious gloves (e.g., Neoprene or Nitrile). If necessary, refer to U.S. OSHA 29 CFR 1910.138 or the appropriate standards of Canada.

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## 9. PHYSICAL and CHEMICAL PROPERTIES

**RELATIVE VAPOR DENSITY (air = 1):** Not applicable.

**SPECIFIC GRAVITY:** 0.969

**SOLUBILITY IN WATER:** Insoluble.

**VAPOR PRESSURE, mm Hg @ 24°C:** Not applicable.

**ODOR THRESHOLD:** Odorless.

**COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT):** Not available.

**APPEARANCE, ODOR AND COLOR:** This product is a white slurry of odorless sand-like material.

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**EVAPORATION RATE (BuAc =1):** Not applicable.

**MELTING/FREEZING POINT:** 32°F (0°C)

**BOILING POINT:** 212°F (100°C)

**pH:** > 7, slightly alkaline.

**Weight % V.O.C.:** 0%

## 10. STABILITY and REACTIVITY

**STABILITY:** Stable under normal circumstances of use and handling.

**DECOMPOSITION PRODUCTS:** Thermal decomposition of this product can generate dusts, irritating fumes, and toxic gases (e.g., Carbon monoxide, Carbon dioxide).

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** This product is not compatible with strong bases, strong acids, and powerful oxidizers.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid contact with incompatible chemicals.

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## 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** The following toxicology information is available for components greater than 1% in concentration.  
**The following data are available for Calcium carbonate:**  
Oral-Rat: LD<sub>50</sub>: 6450 mg/kg

**SUSPECTED CANCER AGENT:** The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

CHEMICAL	IARC	NTP	OSHA
Silica, crystalline	1	K	NO
Calcium carbonate	NO	NO	NO
Kaolin	NO	NO	NO
Attapulgit	3 (short fibres < 5µm) 2B (long fibres > 5µm)	K	NO
Polystyrene	3	NO	NO
Starch	NO	NO	NO

**Note: See section 16 for definition of ratings.**

**IRRITANCY OF PRODUCT:** This product can be irritating to contaminated tissue. Prolonged exposure can lead to tissue damage.

**SENSITIZATION TO THE PRODUCT:** The components of this product are not reported to be sensitizers.

**REPRODUCTIVE TOXICITY INFORMATION:** Listed below is information concerning the effects of this product and its components on the human reproductive system.

**Mutagenicity:** When used as directed, this product is not expected to produce mutagenic effects in humans.

**Embryotoxicity:** When used as directed, this product is not expected to produce embryotoxic effects in humans.

**Teratogenicity:** When used as directed, this product is not expected to produce teratogenic effects in humans.

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## 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**ENVIRONMENTAL STABILITY:** There is no environmental data for this product at this time.

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## 13. DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Dispose of according to Federal, State, and local regulations or with regulations of Canada.

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## 14. TRANSPORTATION INFORMATION

This product is not regulated for transport.

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## 15. REGULATORY INFORMATION

**ADDITIONAL U.S. REGULATIONS:**

**EPA REPORTING REQUIREMENTS:** The following reporting requirements are applicable to components of this product:

CHEMICAL	SECTION 302 (40 CFR 355, Appendix A)	SECTION 304 (40 CFR Table 302.4)	SECTION 313 (40 CFR 372.65)
Silica, crystalline	NO	NO	NO
Calcium carbonate	NO	NO	NO
Kaolin	NO	NO	NO
Attapulgit	NO	NO	NO
Polystyrene	NO	NO	NO
Starch	NO	NO	NO

**U.S. SARA SECTION 311/312 FOR PRODUCT:** Acute health effects; chronic health effects.

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory.

**OTHER U.S. FEDERAL REGULATIONS:** Not applicable.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** "WARNING: This product contains a chemical known to the State of California to cause cancer."

**CANADIAN DSL/NDL INVENTORY STATUS:** The components of this product are listed on the DSL Inventory.



This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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## 16. OTHER INFORMATION

### DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these, which are commonly used, include the following:

**CAS #:** This is the Chemical Abstract Service Number that uniquely identifies each compound.

**ACGIH** - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

**TLV** - Threshold Limit Value - an airborne concentration of a substance that represents conditions under which it is generally believed that nearly all workers can be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (**TWA**), the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level (**C**). Skin absorption effects must also be considered.

**OSHA** - U.S. Occupational Safety and Health Administration.

**PEL** - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL that was vacated by Court Order.

**IDLH** - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. **The DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called **Recommended Exposure Levels (RELs)**. When no exposure guidelines are established, an entry of **NE** is made for reference.

### HAZARD RATINGS:

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:** Health Hazard: **0** (minimal acute or chronic exposure hazard); **1** (slight acute or chronic exposure hazard); **2** (moderate acute or significant chronic exposure hazard); **3** (severe acute exposure hazard; onetime overexposure can cause permanent injury and can be fatal); **4** (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability Hazard: **0** (minimal hazard); **1** (materials that require substantial pre-heating before burning); **2** (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); **3** (Class IB and IC flammable liquids with flash points below 38°C [100°F]); **4** (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: **0** (normally stable); **1** (material that can become unstable at elevated temperatures or which can react slightly with water); **2** (materials that are unstable but do not detonate or which can react violently with water); **3** (materials that can detonate when initiated or which can react explosively with water); **4** (materials that can detonate at normal temperatures or pressures).

**NATIONAL FIRE PROTECTION ASSOCIATION:** Health Hazard: **0** (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); **1** (materials that on exposure under fire conditions could cause irritation or minor residual injury); **2** (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); **3** (materials that can on short exposure could cause serious temporary or residual injury); **4** (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

### FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (**NFPA**). Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

### TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar



compounds are presented. Definitions of some terms used in this section are: **LD<sub>50</sub>** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC<sub>50</sub>** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** concentration expressed in parts of material per million parts of air or water; **mg/m<sup>3</sup>** concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TDo**, **LDLo**, **LDo**, **TC**, **TCo**, **LCLo**, and **LCo**, the lowest dose (or concentration) to cause lethal or toxic effects. **BEI** - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV. Ecological Information: **EC** is the effect concentration in water.

Data from several sources are used to evaluate the cancer-causing potential of the material. The sources and ratings are: **IARC** - the International Agency for Research on Cancer; 1 = Carcinogenic to humans, 2A, 2B = Probably carcinogenic to humans, 3 = Unclassifiable as to carcinogenicity in humans, and 4 = Probably not carcinogenic to humans. **NTP** - the National Toxicology Program; K = Known to be a human carcinogen, and R = Reasonably anticipated to be a human carcinogen. **RTECS** - the Registry of Toxic Effects of Chemical Substances. **OSHA** - Occupational Safety and Health Administration and **CAL/OSHA** - California's subunit of the Occupational Safety and Health Administration; Ca = Carcinogen defined with no further categorization. **ACGIH** - American Conference of Governmental Industrial Hygienists; A1 = Confirmed human carcinogen, A2 = Suspected human carcinogen, A3 = Confirmed animal carcinogen with unknown relevance to humans, A4 = Not classifiable as a human carcinogen, and A5 = Not suspected as a human carcinogen. **NIOSH** - U.S. National Institute for Occupational Safety and Health; Ca = Potential occupational carcinogen, with no further categorization. **EPA** - U.S. Environmental Protection; A = Human carcinogen, B = Probable human carcinogen, C = Possible human carcinogen, D = Not classifiable as to human carcinogenicity, E = Evidence of Non-carcinogenicity for humans, K = Known human carcinogen, L = Likely to produce cancer in humans, CBD = Cannot be determined, NL = Not likely to be carcinogenic in humans, and I = Data are inadequate for an assessment of human carcinogenic potential.

#### **REGULATORY INFORMATION:**

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Superfund Amendments and Reauthorization Act (**SARA**); the Canadian Domestic/Non-Domestic Substances List (**DSL/NDSL**); the U.S. Toxic Substance Control Act (**TSCA**); Marine Pollutant status according to the **DOT**; the Comprehensive Environmental Response, Compensation, and Liability Act (**CERCLA or Superfund**); and various state regulations. This section also includes information on the precautionary warnings that appear on a material's industrial package label.