GLEN-GERY CORPORATION

Material Safety Data Sheet 1 of 2

Glen-Gery Corporation
1166 Spring Street
Wyomissing, PA 19610-6001

For additional information contact:
Corporate Office - (610) 374 4011
Technical Services - (610) 562 3076

Date Completed: February 12, 2001
Latest Revision: May 19, 2009

SECTION I – PRODUCT IDENTIFICATION

Product Name: *Thin Brick*

Chemical Family: *Predominately Aluminum Silicates*
Formula: *Mixture*

SECTION II – HAZARDOUS INGREDIENTS

Ingredients	***CAS #***	***% Weight***	**Exposure Limits**	
			OSHA PEL mg/m^3	*ACGIH TLV* *mg/m^3*
Aluminum Silicates	*Various*	*50 – 85*	15	10
Quartz	*14808-60-7*	*Varies*	10 / %SiO_2 **+** 2 (respirable)	0.025 *(respirable)*
Chromium compounds	*Various*	*0 – 3*	1	1
Manganese compounds	*Various*	*0 – 3*	NE	0.2
Iron Compounds as granular body additives	*Various*	*0 – 3*	10	5 (Respirable)
Calcium compounds	*Various*	*0 – 3*	15	10

The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications. This information has been compiled from data believed to be reliable. Elements such as aluminum, arsenic, boron, calcium, chromium, cobalt, copper, lead, molybdenum, nickel, tin, titanium, vanadium, and zirconium may be present in trace amounts. Thin Brick products as shipped do not present an exposure hazard.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA **Melting Point:** NA **Specific Gravity:** 2.6 (approximate)
Vapor Pressure: NA **Vapor Density:** NA **Solubility in Water:** Negligible
Appearance and Odor: Granular solid, essentially odorless. Thin Bricks come in a wide range of colors.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Thin Bricks as shipped do not pose a fire or explosion hazard.

SECTION V – REACTIVITY

Thin Bricks as shipped are not reactive

SECTION VI – HEALTH HAZARD DATA

Thin Bricks as shipped do not present an inhalation, ingestion or contact hazard. However, operations such as sawing and grinding may result in the following effects.

ACUTE EFFECTS OF OVEREXPOSURE:

Eye: *May cause irritation by abrasion with dust or chips.*

Skin: *Thin Brick dust or chips may cause allergic reactions; May cause cuts and skin abrasions.*

Inhalation: *Thin Brick dust or chips may cause congestion and irritation in nasal and respiratory passages.*

Ingestion: *No known acute effects.*

CHRONIC EFFECTS OF OVEREXPOSURE:

Excessive exposures to respirable particulates (dust) over an extended period of time may result in the development of pulmonary diseases such as silicosis.

SECTION VI – HEALTH HAZARD DATA (continued)

CARCINOGENICITY:

The following carcinogenicity classifications for crystalline silica have been established by the following agencies:

OSHA: Not regulated as a carcinogen
IARC: Group 1 carcinogenic in humans
ACGIH: A2 Suspected Human Carcinogen
NIOSH: *Carcinogen, with no further categorization*
NTP: *Known carcinogen*

WARNING: *Thin Brick dust may contain crystalline silica and other chemicals known to cause cancer, birth defects and other reproductive harm. Thin Brick dust has been determined by the agencies listed above to cause cancer. Inhalation of thin brick dust above established or recommended exposure levels should be avoided by use of wet sawing or shaping and/or use of a NIOSH and/or MSHA approved respirator. Always stack and store Thin bricks in a stable manner to avoid falling hazards.*

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Ventilation:	Provide adequate ventilation to maintain exposures below the OSHA PEL and ACGIH TLV for quartz and other substances.
Respiratory Protection:	For airborne concentration exceeding the OSHA PEL or ACGIH TLV use a NIOSH and/or MSHA approved respirator.
Other Protective Equipment:	Eye and Face: Face shields should be used when sawing Thin brick. *Skin: Use gloves and or protective clothing if abrasions or allergic reactions are experienced.* *Other: Use of steel toe shoes is recommended when handling Thin brick.*
Other controls:	Use of wet sawing methods is recommended anytime that Thin bricks must be cut.

SECTION VIII – FIRST AID AND MEDICAL

Inhalation:	Remove from exposure to airborne particulates. Consult a physician if breathing does not return to normal.
Skin:	Wash with soap and water. If an allergic reaction causes a rash that does not heal with in a few days consult a physician. Treat abrasions as any other scrape or cut with disinfectants and bandages.
Eye:	Flush with running water. Obtain medical assistance if irritation continues.
Medical Conditions Aggravated by Exposure:	Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications or allergies resulting in irritation to skin, eyes, and respiratory tract may occur from excessive exposure to dusts.

SECTION IX – OTHER REGULATIONS

RCRA:	Thin brick in its solid form is typically considered a non-hazardous waste for disposal, but local regulation may vary, therefore all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations. Water containing thin brick solids, such as from wet sawing operations, should also be disposed of in accordance with federal, state and local environmental regulation. Thin brick waste should not be used as a blasting agent.
EPCRA Section 311/312:	Thin bricks as shipped are not a Section 311/312 reportable product.
EPCRA Section 313:	Thin bricks as shipped are not subject to the Section 313, Toxic Chemical Release Inventory reporting requirements.
DOT:	*Thin bricks as shipped are not hazardous materials per DOT regulations.*

SECTION X – OTHER INFORMATION

The Glen-Gery Corporation considers our product an “article” as defined in 30 CFR 1200(b)(g)(iv) and 40 CFR 372.38. As an article, an MSDS is not required and the product is exempt from all other requirements of the hazard communication standard. OSHA requires an MSDS for thin brick because it is occasionally dry sawed. We recommend only wet sawing of thin brick.

This MSDS was prepared with information believed accurate at the time of preparation and was prepared and provided in good faith. However, the Glen-Gery Corporation assumes no responsibility as to the accuracy or suitability of such information and no warranty expressed or implied is made.