

**MATERIAL SAFETY DATA SHEET**

**TRADE NAME**

PLAQUE-IT

**Suppliers Name:**

Geswein  
255 Hancock Ave  
Bridgeport, CT 06605

**Info Phone#:**

203-366-5400

**Emergency Phone#**

1-800-255-3924

**SECTION 5 HEALTH HAZARD DATA**

**PRIMARY ROUTE OF ENTRY**

Inhalation, Ingestion and Skin Irritation

**EFFECTS OF OVEREXPOSURE**

Currently, there are no known chronic health effects in humans from long term exposure to refractory ceramic fibers. Animal studies to date are inconclusive. However, based on limited testing, refractory ceramic fibers are a suspected carcinogen in laboratory animals. The Thermal Insulation Manufacturers Association (TIMA) is sponsoring animal inhalation studies as well as epidemiological studies of workers in the industry. Until definite answers become available, strict adherence to recommended safe work practices described elsewhere in this MSDS is advised. This product contains minor amounts of binders which burn out during first heat up. Emergency and First Aid Procedures

Terminable Exposure.

**SECTION 6 FIRE, EXPLOSIVE AND REACTIVITY DATA**

N/A

**SECTION 1**

**CHEMICAL NAME AND SYNONYMS:**

N/A Mixture

**CHEMICAL FAMILY:**

Aluminosilicate, Alumina, or Silicate

**FORMULA:**

N/A

**COMMENTS:**

See Section 9

**SECTION 2 HAZARDOUS INGREDIENTS**

A. AS MANUFACTURED  
REFRACTORY CERAMIC FIBER

B. AFTER NORMAL USE

See Section 9

WT. %  
100

TVL/PEL  
2 F / CC

**SECTION 3 PHYSICAL DATA**

**Boiling Point (°F)**

N/A

**Specific Gravity (H<sub>2</sub>O = 1)**

0.2 - 1.2

**Vapor Pressure (mm Hg.)**

N/A

**(Air = 1)**

**N/A Percent volatile**

**Vapor Density**

N/A

**Evaporation Rate (H<sub>2</sub>O = 1)**

INSOLUBLE

**Solubility in Water**

**Appearance and Odor**

**FIBER SHAPE, NO ODOR, 372 or 372 UHT Wet Mat.**

**SECTION 4 FIRE AND EXPLOSION HAZARD DATA**

**Extinguishing Media**

N/A

**Flammable Limit**

**Unusual Fire and Explosive Hazards**

**Special Fire Fighting Procedures IEL UEL**

**DISCLAIMER**

The information in this document is believed to be correct as of this date. The person using this product assume the risk of insuring the suitability of its use and safety.

**DATE PREPARED** 11/01/85 **DATE REVISED:** 1/16/02

**SECTION 7 SPILL OR LEAK PROCEDURES**

**RECOMMENDED PROCEDURES**

N/A

**WASTE DISPOSAL METHOD**

Routine Housekeeping

**SECTION 8 SPECIAL PROTECTION INFORMATION**

**Respiratory Protection (Specify Type)** Dust respirator in compliance with OSHA STANDARD currently 29 CFR 1910.134 (NIOSH Approved, air purifying, half mask or full facepiece respirator with appropriate filter pad or cartridge (s))

**VENTILATION**

LOCAL EXHAUST

Fellow OSHA Standard 29 CFR 1910.94

**MECHANICAL (GENERAL)**

Fellow OSHA Standard 29 CFR 1910.94

**PROTECTIVE GLOVES**

**EYE PROTECTION**

**OTHER PROTECTIVE EQUIPMENT**

Goggles/Safety Glasses Recommended

Long Sleeve, Loose Fitting Clothing and Barrier Cream

Material does not appear on NTP and/or IAC lists of reports for Carcinogens

**SECTION 9 SPECIAL PRECAUTIONS**

**Precautions To Be Taken during first exposure to heat**

Trace temporary organic binders will burn off during the first exposure to heat (500-1000 °F) carbon monoxide, carbon dioxide, oxides of nitrogen, reactive hydrocarbons and a small amount of formaldehyde may accompany binder burnoff. Use adequate ventilation or other precautions to eliminate vapors resulting from binder burnoff. Exposure to burnoff fumes may cause respiratory tract irritation. \*Note for 372 UHT Thermal decomposition may release corrosive hydrochloric acid fumes

**Precautions To Be Taken after Use and Upon Removal**

This product as manufactured is an aluminosilicate which could transform upon heating to mullite and cristobalite (a form of crystalline silica). Removal of this product after use may result in the generation of dust. Repeated inhalation of respirable free crystalline silica dust may cause delayed lung injury (silicosis). The recommended TVL/PEL for free crystalline silica is derived from the formula:  
10 mg/cu m

% Respirable quartz + 2

\*Reference 1984-85 ACGIH TLV Booklet, Page 341. Appropriate ventilation should be provided and protective equipment should be worn in compliance with OSHA standard currently 29 CFR 1910.134 (NIOSH approved, air purifying, half mask or full facepiece respirator with appropriate filter pad or cartridge(s)).