

# MSDS

## MATERIAL SAFETY DATA SHEET

Grades: 3000 LAH, LF, LJ.

Date Revised: Oct., 2000.

### I. PRODUCT IDENTIFICATION

Trade Name: LYTHERM® Papers.

Manufacturer: Lydall - Rochester  
P.O. Box 1960  
Rochester, NH 03867

Telephone: 603-332-4600/4605

Fax: 603-332-9602

### II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL AND TLV (except as noted)
Acrylic latex	NA	0 - 22	
Alumina fiber	1344-28-1	76 - 80	1 fiber/cc OSHA Proposed Std. 5 mg/cu. m. OSHA respirable dust. 15 mg/cu. m. OSHA Total dust. 10 mg/cu.m. (TWA) ACGIH* for Particulates Not Otherwise Classified.
Fibrous glass	65997-17-3	2 - 10	5 mg/cu. m. OSHA respirable dust. 15 mg/cu. m. OSHA Total dust. 10 mg/cu.m. (TWA) ACGIH for Particulates Not Otherwise Classified.

### III. PHYSICAL DATA

Appearance and Odor: White paper. No odor.

Water Solubility (%): Insoluble.

NA: Not Applicable

\* American Conference of Governmental Industrial Hygienists

#### IV. FIRE AND EXPLOSION DATA

**Flash Point:** Unknown. Any acrylic latex in this product will burn.

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

**Unusual Fire or Explosion Hazards:** None.

**Special Fire-Fighting Procedures:** None.

#### V. HEALTH HAZARDS

##### A. Summary/Risks

**Summary:** Ceramic fibers used in manufacturing this product are under investigation as a possible animal carcinogen. Two categories of studies on laboratory animals, breathing high concentrations and artificial exposure (implantation), have reported tumors. No data from human epidemiological studies are available. Based on animal studies the International Association for Research on Cancer (IARC) has classified ceramic fibers as a category 2B substance, possibly carcinogenic to humans. This product as sold will not spontaneously generate any significant emissions of ceramic fiber dust.

Fibrous glass has been classified by IARC as a category 2B carcinogen.

**Medical conditions which may be aggravated:** Pre-existing upper respiratory and lung diseases may be aggravated by dust.

**Target Organs:** Skin, eyes, lungs.

**Acute Health Effects:** Mechanical irritation of respiratory system, skin, and eyes.

**Chronic Health Effects:** See "Summary" above.

**Primary Entry Route(s):** Inhalation, eye and skin contact.

##### B. Signs/Symptoms of Overexposure

**Inhalation:** Overexposure to dust may cause irritation or soreness in the throat and nose.

**Skin Contact:** Irritation or rash.

**Eyes:** Irritation or inflammation of the eyes.

**Ingestion:** May cause irritation to the gastro-intestinal tract.

##### C. First Aid/Emergency Procedures

**Inhalation:** Remove to fresh air. Drink water to clear throat. Blow nose to evacuate fibers.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Do not induce vomiting.

**Eyes:** Flush with clean water for 15 minutes.

**CONSULT A PHYSICIAN IF ANY SYMPTOMS PERSIST.**

#### VI. REACTIVITY DATA

**Chemical Incompatibilities:** Hydrofluoric acid and strong alkalis.

**Conditions to Avoid:** None in designed use.

**Hazardous Decomposition Products:** None known.

#### VII. SPILL OR LEAK PROCEDURES

**Procedures for Spill/Leak:** Vacuum dust and debris with a cleaner equipped with a HEPA filter.

Use a dust suppressant if swept up.

**Waste Management:** This product is not listed as a hazardous waste nor does it exhibit any characteristics of a hazardous waste.

## VIII. SPECIAL PROTECTION INFORMATION

**HMIS rating:** Health = 1 Flammability = 1 Reactivity = 0 Personal Protection = E

**Goggles:** If processing or handling this material creates excessive dust, goggles and face shield are recommended.

**Gloves:** Use barrier gloves if handling produces skin irritation.

**Respiration:** Less than 0.5 fiber/cc, use 3M 9900 or equivalent.

< 10 fibers/cc, use MSA COMFO-II with H filter.

< 50 fibers/cc, use MSA ULTRA-TWIN H.

> 50 fibers/cc, use NIOSH full face piece with supplied air.

**Ventilation:** Ventilate to minimize airborne fibers.

**Other:** Wash hands after handling. Wash contaminated clothing separately. Disposable coveralls are recommended if excessive dusting occurs.

## IX. SPECIAL PRECAUTIONS

**Special Handling/Storage:** Keep this material dry.

**Special Workplace Engineering Controls:** Ventilate to minimize airborne dust.

## X. REGULATORY

**SARA TITLE III:** This product does not contain any substances reportable under SARA Title III, Sections 302 and 304. Alumina fiber is reportable under Section 313.

**TSCA INVENTORY:** All substances contained in this product are listed in the Toxic Substances Control Act (TSCA) Chemical Inventory. Refractory ceramic fiber is subject to the TSCA Export Notification Requirements, Section 12(b).

**CALIFORNIA:**

**WARNING: This product contains ceramic fiber, a chemical known to the State of California to cause cancer.**

**DOT CLASS:** Not regulated.

**CANADA DOMESTIC SUBSTANCE LIST:** Loose refractory ceramic fiber and glass oxides are a class D-2.A controlled product under Canada WHMIS regulations based on the IARC classification of 2B for man-made vitreous fiber.

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**Prepared/Revised By:** Ed Minerowicz

**Title:** Process Control Mgr.

As of the date of preparation of this document, the foregoing information is believed to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given. When an individual or company processes, repackages, or incorporates these products into an article, it is the individual's/company's responsibility to convey all health, safety, and environmental information to the receiver, and to ship with the proper warning labels (see Section X above).