

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form OSHA-20  
Rev. May 72

**PLAINTIFF'S  
EXHIBIT**

ASA-237

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
— Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

|                                                                                          |                                  |                                                  |
|------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|
| MANUFACTURER'S NAME<br><b>LAKE ASBESTOS OF QUEBEC, LIMITED</b>                           |                                  | EMERGENCY TELEPHONE NO.<br><b>418-423-4226</b>   |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br><b>BLACK LAKE, QUEBEC, CANADA</b> |                                  |                                                  |
| CHEMICAL NAME AND SYNONYMS<br><b>HYDROUS MAGNESIUM SILICATE</b>                          |                                  | TRADE NAME AND SYNONYMS<br><b>Asbestos Fibre</b> |
| CHEMICAL FAMILY<br><b>CHRYSTILE ASBESTOS</b>                                             | FORMULA<br><b>Mg3 (OH)4Si2O5</b> |                                                  |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS                     | % | TLV (Units) | ALLOYS AND METALLIC COATINGS       | % | TLV (Units) |
|-------------------------------------------------------|---|-------------|------------------------------------|---|-------------|
| PIGMENTS <b>NONE</b>                                  |   |             | BASE METAL <b>NONE</b>             |   |             |
| CATALYST <b>"</b>                                     |   |             | ALLOYS <b>"</b>                    |   |             |
| VEHICLE <b>"</b>                                      |   |             | METALLIC COATINGS <b>"</b>         |   |             |
| SOLVENTS <b>"</b>                                     |   |             | FILLER METAL <b>"</b>              |   |             |
| ADDITIVES <b>"</b>                                    |   |             | PLUS COATING OR CORE FLUX <b>"</b> |   |             |
| OTHERS <b>"</b>                                       |   |             | OTHERS <b>"</b>                    |   |             |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |   |             |                                    | % | TLV (Units) |
| <b>NONE</b>                                           |   |             |                                    |   |             |
|                                                       |   |             |                                    |   |             |
|                                                       |   |             |                                    |   |             |
|                                                       |   |             |                                    |   |             |

## SECTION III - PHYSICAL DATA

|                                                        |  |                                                                |                |
|--------------------------------------------------------|--|----------------------------------------------------------------|----------------|
| BOILING POINT (°F.) <b>Asbestos is a solid mineral</b> |  | SPECIFIC GRAVITY (H <sub>2</sub> O=1)                          | <b>2.4-2.6</b> |
| VAPOR PRESSURE (mm Hg.)                                |  | PERCENT. VOLATILE BY VOLUME (%)                                |                |
| VAPOR DENSITY (AIR=1)                                  |  | EVAPORATION RATE (_____/_____/_____) <b>Does not evaporate</b> |                |
| SOLUBILITY IN WATER <b>Negligible</b>                  |  |                                                                |                |
| APPEARANCE AND ODOR <b>Grey, fibrous, odourless</b>    |  |                                                                |                |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|                                                  |                  |     |     |
|--------------------------------------------------|------------------|-----|-----|
| FLASH POINT (Method used) <b>NON INFLAMMABLE</b> | FLAMMABLE LIMITS | Lel | Uel |
| EXTINGUISHING MEDIA                              |                  |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES <b>NONE</b>     |                  |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS <b>NONE</b>   |                  |     |     |

ALY 0014927

| SECTION V - HEALTH HAZARD DATA                                                                                                                              |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <small>PERMITTED EXPOSURE LIMIT</small><br>2.0 fibres per cc over 5 microns long on a 8Hr. time weighted average<br><small>EFFECTS OF OVER EXPOSURE</small> | Danger<br>Contains Asbestos Fibres<br>Avoid Creating Dust<br>Asbestosis, Lung Cancer and Other Fatal Diseases May Be Caused By Inhalation of Asbestos<br>Smoking Greatly Increases Lung Cancer Risk |
| <small>EMERGENCY AND FIRST AID PROCEDURES</small><br><div style="text-align: right;">Non Applicable</div>                                                   |                                                                                                                                                                                                     |

| SECTION VI - REACTIVITY DATA                                                                       |                               |   |                                    |
|----------------------------------------------------------------------------------------------------|-------------------------------|---|------------------------------------|
| <small>STABILITY</small>                                                                           | <small>UNSTABLE</small>       |   | <small>CONDITIONS TO AVOID</small> |
|                                                                                                    | <small>STABLE</small>         | X |                                    |
| <small>INCOMPATIBILITY (Materials to Avoid)</small><br><div style="text-align: center;">None</div> |                               |   |                                    |
| <small>HAZARDOUS DECOMPOSITION PRODUCTS</small><br><div style="text-align: center;">None</div>     |                               |   |                                    |
| <small>HAZARDOUS POLYMERIZATION</small>                                                            | <small>MAY OCCUR</small>      |   | <small>CONDITIONS TO AVOID</small> |
|                                                                                                    | <small>WILL NOT OCCUR</small> | X |                                    |

| SECTION VII - SPILL OR LEAK PROCEDURES                                                                                                                                                                                                                                                    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <small>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</small><br><div style="text-align: right;">Wear approved respirators, as instructed; vacuum loose fibre or wet before cleanup; do not sweep or cause asbestos to become airborne; repair damaged bags immediately.</div> |  |
| <small>WASTE DISPOSAL METHOD</small><br><div style="text-align: right;">Discard waste fibre in sealed, properly labeled bags; dispose of in accordance with applicable EPA regulations.</div>                                                                                             |  |

| SECTION VIII - SPECIAL PROTECTION INFORMATION                                                                                                   |                                     |                                                                                     |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|------------------------|
| <small>RESPIRATORY PROTECTION (Specify type)</small><br><div style="text-align: right;">Dustfoe #77 U.S. Bureau of Mines approval #21B-97</div> |                                     |                                                                                     |                        |
| <small>VENTILATION</small>                                                                                                                      | <small>LOCAL EXHAUST</small>        | Sufficient to keep dust count below TTV shown in Sect. V                            | <small>SPECIAL</small> |
|                                                                                                                                                 | <small>MECHANICAL (General)</small> |                                                                                     | <small>OTHER</small>   |
| <small>PROTECTIVE GLOVES</small><br><div style="text-align: right;">Not required</div>                                                          |                                     | <small>EYE PROTECTION</small><br><div style="text-align: right;">Not required</div> |                        |
| <small>OTHER PROTECTIVE EQUIPMENT</small>                                                                                                       |                                     |                                                                                     |                        |

| SECTION IX - SPECIAL PRECAUTIONS                                                                                                                                                                                                                                                                                          |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <small>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</small><br><div style="text-align: right;">Care should be taken to avoid asbestos dust becoming airborne, remove spillage and clean storage area by aspiration.</div>                                                                                              |  |
| <small>OTHER PRECAUTIONS</small><br>Do not smoke. Always operate and maintain ventilation and other equipment. Wear approved respirators as instructed. Vacuum loose fibre or wet before clean up. Discard waste fibre in sealed bags. Use vacuum equipment to remove dust from clothes. Repair damaged bags immediately. |  |