



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122-8068

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SECTION 1

Order Code: 364100L805

Product Name: BURMASTIC ADHESIVE LV
Chemical Family: Roof Adhesive
Product Code: 364-100L
MSDS Preparer: C.R. Bruno
Date Prepared: 02-MAY-96
Replaces Date: 02-FEB-95

Other Applications:

Table with 4 columns: TYPE OF CONTAINER/SHIPMENT, PROPER SHIPPING NAME, HAZARD CLASS, UN/NA#. Rows include LESS THAN 110 GAL/DOMESTIC, MORE THAN 110 GAL/DOMESTIC, and ALL CONTAINERS/FOR AIR-FREIGHT OR INTERNATIONAL SHIPMENTS.

Section 2 - Molecular Composition

Table with 3 columns: Common Name and Chemical Name, Exposure Limits, Weight %, CAS Number. Rows include ASPHALT, STODDARD SOLVENT (MINERAL SPIRITS), CALCIUM CARBONATE (LIMESTONE), MAGNESIUM ALUMINUM SILICATE (CLAY), MAGNESIUM CARBONATE, and CRYSTALLINE SILICA (QUARTZ).

Section 3 - Hazards Identification

Emergency Overview:

Black liquid. Can cause headache, dizziness, drowsiness, or irritation to the skin, eyes and respiratory system. If inhaled leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Potential Hlth Effect/Rte of Entry:

Inhalation:

Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.

Eyes:

Can cause irritation.

Ingestion:

Can cause gastrointestinal irritation.

Skin:

Can cause irritation.

Acute Health Effects:

Not established.
Chronic Health Effects: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Asphalt contains small amounts of polynuclear aromatic compounds which have been shown to cause cancer and respiratory damage in laboratory animals. Overexposure to mineral spirits can adversely affect the lung, CNS or cardiac system. Prolonged and repeated exposure caused kidney damage in male rats. IARC concluded that there is sufficient evidence for carcinogenicity of crystalline silica (quartz) in experimental animals, but only limited evidence in humans. Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. However, silica is encapsulated in this product and release is not expected.

Section 4 - First Aid Measures

Inhalation:

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Eyes:

Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion:

Get medical attention immediately.

Skin:

Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Notes to Physician: N/A

Section 5 - Fire Fighting Measures

Flash Point: 115 F
Method: SETA
Lower Flammability Limit: Not Established
Upper Flammability Limit: Not Established
Autoignition Temperature: Not Established

Extinguishing Media:

If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Fire and Explosion Hazards:

Never use welding or cutting torch on or near container (even empty). Product, residue or vapor may ignite. See section IX for additional precautions.

Special Fire Fighting Procedures:

During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

Fire Fighting Equipment: N/A

Other Precautions:

N/A

Section 6 - Accidental Release Measures

Release Response Overview:

Remove sources of ignition immediately. Ventilate to reduce the airborne contaminant concentration below the exposure limit in Section II of the MSDS. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

Section 7 - Handling and Storage

Handling and Storage Precautions: Store in closed container.
Keep liquid and vapor away from heat, sparks and flame. Do not store in direct

sunlight. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled workclothes frequently. Clean hands thoroughly after handling. To prevent gases, vapors or fumes from migrating into occupied sections of the building, close or cover all openings including windows, doors and air intakes during and after application until gases, vapors or fumes dissipate. Precautions also apply to emptied containers.

Section 8 - Exposure Controls/Personal Protection

Respiratory:

Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant level(s) exceed the exposure limits indicated on the MSDS. Follow respirator manufacturer's directions for respirator use.

Skin:

Protect hands with impervious rubber gloves and wear rubber apron and overshoes. Prevent contact with skin.

Eyes:

Chemical splash goggles.

Face:

Face shield is recommended.

Engineering:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit in Section II of the MSDS.

Section 9 - Physical and Chemical Properties

Odor/Appearance:	SOLVENT/BLACK LIQUID
Color:	BLACK
Physical State:	LIQUID
pH:	N/A
Vapor Pressure:	Not established
Vapor Density:	>1
Boiling Point:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility in Water:	Negligible
Specific Gravity:	0.97
% Volatile Weight:	26.0

Section 10 - Reactivity/Stability

Stability:

Stable

Incompatible Products:

Avoid contact with strong oxidizing agents.

Conditions to Avoid Polymerization:

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Eyes: N/A

Ingestion: N/A

Inhalation: N/A
Skin: N/A
Subchronic: N/A
Chronic: N/A

Section 12 - Ecological Information

Ecotoxicological Data: N/A
Chemical Fate: N/A

Section 13 - Disposal Considerations

RCRA Class:
A,H - Group A Waste, Hazardous Contaminated Garbage
D001 - Ignitable Liquid or Solid Waste

Disposal Method:
Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Incinerate at EPA approved facility or dispose of in compliance with federal, state and local regulations.

EPA Reportable Quantities

CERCLA Reportable Quantity: N/A

Section 14 - Transportation Data

DOT Shipping Name: SEE BELOW
DOT Hazard Class:
DOT Label: NONE (INTERN'L FLAMMABLE)
UN/NA Number: SEE BELOW
Packing Group: NO
Special Provisions:
Packaging

Exceptions: 49CFR173.13
Non-Bulk:
Bulk:

Quantity Limitations

Passenger Aircraft or Railcar:
Cargo Aircraft:
Vessel Stowage Requirements

Vessel Stowage:
Other Stowage:

Transportation Notes:

TYPE OF CONTAINER/SHIPMENT	PROPER SHIPPING NAME	HAZARD CLASS	UN/NA#
LESS THAN 110 GAL/DOMESTIC	NOT REGULATED	NOT REGULATED	N/A
MORE THAN 110 GAL/DOMESTIC	COMBUSTIBLE LIQUID		
	N.O.S.(MINERAL SPIRITS)	COMBUSTIBLE	NA1993
ALL CONTAINERS/FOR AIR-	FLAMMABLE LIQUID		

FREIGHT OR INTERNATIONAL SHIPMENTS N.O.S.(MINERAL SPIRITS) FLAMMABLE UN1993

Section 15 - Regulatory Information

TSCA Status: On the TSCA Inventory
OSHA Status: Considered hazardous based on the following criteria:
Irritant

Target Organs

Liver
Kidney
Nerve
Lung

OSHA Hazardous Components	CAS Number
CRYSTALLINE SILICA (QUARTZ)	14808-60-7
ASPHALT	8052-42-4

Compliance Quantities

Source	Type	Threshold Unit of Measure
RCRA	REPORTABLE QUANTITY	100.0 POUNDS

SARA 311 Ratings

Immediate Health Hazard: Y
Delayed Health Hazard: Y
Fire Hazard: Y
Reactivity Hazard: N
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients

No SARA 313 Ingredients

California Proposition 65 Ingredients

Chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.	CAS Number
CRYSTALLINE SILICA (QUARTZ)	14808-60-7
ASPHALT	8052-42-4

Section 16 - Other Information

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.
THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE CONDITION.