

BONSAL AMERICAN

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For chemical emergencies, call Chemtrec:
(800) 424-9300

MATERIAL SAFETY DATA SHEET

Product Name: LAP CEMENT (Cold Process/Blind Nail)

1. Product Identification

Synonyms: Asphalt Cutback Coating
Chemical Name: Mixture Asphalt, Mineral Spirits
Chemical Family: Petroleum Hydrocarbon
Chemical Formula: Mixture
CAS No.: None

NFPA Identification:
Health: 2
Flammability: 2
Reactivity: 0

2. Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>PEL (OSHA)</u>	<u>% Weight</u>	<u>TLV/TWA</u>
Petroleum Asphalt	8052-42-4	5 mg/m ³	50 +/- 5	5 mg/m ³
Petroleum Distillates	8052-41-3	100 ppm	25 +/- 5	100 ppm
Attapulgite Clay	012174-11-7	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	10 +/- 4	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Cellulose Fibers	9004-34-6	15 mg/m ³ (TWA)	5 +/- 2	10mg/m ³
Amine Salt	28701-67-9	NA	3 +/- 2	NA

NOTE: The above components and their percentages are provided for health and safety purposes, ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as a specification for the product.

3. Hazards Identification

Emergency Overview: Combustible liquid & Vapor, Harmful or fatal if swallowed,

POTENTIAL HEALTH EFFECTS:

EYE: Conjunctivitis, irritation, and tearing.

SKIN: Prolonged contact may result in itching, dry skin, irritation or inflammation. Allergic skin reactions may occur on occasion and the skin may become sensitized.

INHALATION: Asphalt fumes cause irritation to the mucous membranes of the respiratory tract and may cause nausea, dizziness, unconsciousness and headache.

INGESTION: Harmful or fatal if swallowed. Ingestion is considered unlikely. Do Not Induce Vomiting. Seek immediate medical attention.

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4. First Aid Measures

EYE: Flush with large amounts of water immediately. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention.

SKIN: Remove clothing and wash with soap and water. Remove material from skin with mineral oil. Get medical attention if irritation persists.

INHALATION: Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Do not induce vomiting - aspiration hazard. If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention. 3-5 oz. may be fatal.

5. Fire Fighting Measures

Flash Point (Method Used) 105° F NFPA
LEL: 0.9% UEL: 6.0%

Fire extinguishing media: Foam, Water Fog, or Dry Chemical Extinguishers. Water may be used to cool containers exposed to heat.

Hazardous Products of Combustion: Carbon monoxide, carbon dioxide, sulfur dioxide

Special Fire Hazards and Fire Fighting Procedures: Use bunker gear and self contained breathing apparatus. There is a potential for containers of the more volatile asphalts to rupture violently in fires. Vapors from such products may explode if ignited in a confined area. Petroleum based compounds can float on water.

6. Accidental Release Measures

If your facility or operation has an "Oil or Hazardous Substance Contingency Plan," activate the procedure.

Take immediate steps to stop and contain the spill. Use non-sparking tools to shovel up and place in closed container. Caution should be exercised regarding personnel safety and exposure to the spilled material.

- Eliminate possible sources of ignition
- Minimize skin contact and avoid breathing vapors.
- Ventilate confined spaces.
- Keep product out of sewers and waterways by diking or impounding.
- Advise authorities if product has entered sewers or waterways.
- Assure conformity with all applicable government regulations.
- Dispose of in an approved facility. (See section 13)

7. Handling and Storage

HANDLING: Keep containers cool, dry and away from sources of ignition. Use this product with adequate ventilation. Vapors are heavier than air and may travel along the ground or by ventilation to locations distant from point of material handling. To prevent material from entering building or confined areas, close all air intake sources near material handling area. Material requires electrical grounding during material transfer to prevent fire or explosion risk from static accumulation and discharge. All electrical equipment in storage and handling areas should be installed per NFPA requirements.

STORAGE: Keep containers tightly closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR OTHER SOURCES OF IGNITION OR STRONG OXIDIZERS.

8. Exposure Controls/Personal Protection

EYE: Wear Chemical goggles or face shield when working with or transferring material. Have eye baths readily available.

RESPIRATORY: Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.

VENTILATION: Ventilation may be used to reduce airborne concentrations. If ventilation can not reduce airborne concentrations below acceptable limits, appropriate respiratory protection should be used.

GLOVE: Wear solvent-impervious gloves (and clothing) to prevent skin contact.

OTHER: Personal protective equipment to preclude contact with liquid and vapors. Long sleeved shirt and pants recommended.

NOTE: Personal protective information shown in section 8 is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought. Additionally, all pigments, fillers, fibers and extenders are totally encapsulated and do not pose a respirable dust hazard during installation or use of this product.

9. Physical and Chemical Properties

APPEARANCE AND ODOR: Dark thick liquid, mild hydrocarbon odor

PH: Not Applicable

VAPOR PRESSURE: 3

BOILING POINT: 300-350°F

MELTING POINT: Not Applicable

SOLUABILITY IN WATER: Insoluble

SPECIFIC GRAVITY: .94 -.99

FLASH POINT: 105° F NFPA

EVAPORATION RATE (Butyl Acetate=1) @77°F: 0.2

V.O.C.: <300 grams/liter

10. Stability and Reactivity

Stable: Yes

Unstable: N/A

Conditions to Avoid

Sparks, heat, open flame and fume inhalation

Materials to Avoid

Strong oxidizers

Hazardous Polymerization

Will not occur

Hazardous Decomposition Products

Carbon Monoxide, Carbon dioxide, Hydrogen sulfide and Sulfur dioxide

11. Toxicological Information

Oral - rat LD50

No Data Available

Dermal - rabbit LD50

No Data Available

Eye irritation - rabbit

No Data Available

Skin Irritation – rabbit (24 hr exposure)

No Data Available

12. Ecological Information

This product may cause adverse environmental effects if used improperly or released to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plants and animal species.

13. Disposal Considerations

Dispose of in an environmentally safe manner and in accordance with governmental regulations. “Empty” containers retain residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

This is “RCRA” regulated hazardous waste (D001 ignitable per 40 CFR 40 260.21) and must be disposed in a permitted facility. Containers are hazardous if not emptied completely (less than 1 inch of residue).

The transportation, storage, treatment and disposal of this waste must be conducted in accordance with all federal, state and local regulations.

14. Transportation Information

According to DOT regulations, this product is not considered hazardous for ground transportation unless it is being transported in (a) container(s) whose volume(s) exceed(s) one hundred nineteen (119) gallons.

For Containers Exceeding 119 Gallons:

Hazmat Description & Proper Shipping Name	Asphalt, 3, NA 1999 PG III
ID Number	NA 1999
Hazard Class	3
Packing Group	PG III

15. Regulatory Information

SARA TITLE III – EPA Regulation 40 CFR 302 (CERCLA Section 102); CFR 355 (SARA Section 301-304); CFR 372 (SARA Section 311-313) – **NOT APPLICABLE**.

TSCA, CANADIAN DSL: Yes

California Proposition 65 Warning: This product may contain chemicals known to the state of California to cause cancer, birth defects and/or reproductive harm.

16. Notice

This information relates only to the specific material designated and may not be valid for such materials used in combination with any other materials or in any process. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. This information has been completed to the best of our knowledge and is believed to be accurate and reliable as of the date indicated. However, no warranty is made as to its accuracy; reliability or completeness and we shall not be liable for any loss or damage arising out of the use thereof. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of such information for one’s own particular use.

Product Name: Cold Lap Cement