

**Material Safety Data Sheet**  
May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department Of Labor**  
Occupational Safety and Health Admin.  
(GHS Format)  
Form Approved  
OMB No. 1218-0072

## 1. Product and Company Identification

### HessLite Lightweight Blended Materials

**Trade Name / Synonyms:** VBM PolyThin, VBM BondMate, HessLite MAC Mortar

**Manufacturer's Name:**  
Hess Performance Products

**Contact Telephone Numbers**  
(208) 766-4777

**Address**  
100 Hess Drive  
Malad, Idaho 83252

**Emergency Telephone Number:**  
(208) 766-2655

## 2. Composition / Information on Ingredients

**Component: Aluminum Silicate**  
CAS Number: 1335-30-4  
Percentage: 50-60

**Component: Portland Cement**  
CAS Number: 65997-15-1  
Percentage: 40-50

## 3. Hazard Identification

**GHS-US classification**  
**Skin corrosion 1A**  
**Serious Eye Damage 1**  
**Skin Sensitization 1**  
**Carcinogenicity 1A**  
**Specific Target Organ Toxicity After Single Exposure 3**

### GHS-US labelling

Hazard pictograms (GHS-US)

:



GHS05



GHS07



GHS08

Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer. May cause

Prevention statements (GHS-US)	: respiratory irritation. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Do not breathe dusts. Wash hands thoroughly after handling. Wear protective gloves and clothing as well as eye and face protection. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.
Response statements (GHS-US)	: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor if ingested or skin / eye irritation persists or worsens. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Storage statements (GHS-US)	: Store to keep product dry until use.
Disposal statements (GHS-US)	: Dispose of contents and container in accordance with all local, state, and federal regulations.
Supplemental Information	Read and Follow all precautions listed in the Safety Data Sheet available on request or at: Ashgrove.com. Additional information on the selection and use of respirators can be found in the <a href="#">NIOSH Respirator Selection Logic</a> (DHHS [NIOSH] Publication No. 2005-100) and the <a href="#">NIOSH Guide to Industrial Respiratory Protection</a> (DHHS [NIOSH] Publication No. 87-116) available at <a href="http://www.cdc.gov/niosh/docs/87-116/">http://www.cdc.gov/niosh/docs/87-116/</a> .  This product contains LESS than 0.1% crystalline silica. Crystalline silica has been linked to cancer, silicosis, and other lung problems in conditions of prolonged airborne over-exposure.  Keep product dry until use. Avoid contact with bleed water from wet product. Clothing saturated with wet product can result in delayed, serious alkali skin burns.

#### 4. First Aid Measures

**Inhalation:** Remove to fresh air.

**Skin Contact:** Remove contaminated clothing, jewelry, and shoes. Wash with soap or mild detergent. Get medical attention, if irritation occurs (redness, rash, blistering).

**Eye Contact:** Wash eyes immediately with copious amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. If victim is fully conscious give one or two cups of water or milk to drink. Get medical attention, if needed.

#### 5. Fire and Explosion Hazards

**Fire and Explosion Hazards:** Non-Flammable

**Extinguishing Media:** N/A

**Flash Point:** Not Applicable

## 6. Accidental Release Measures

### Industrial Release:

Collect spilled material in appropriate container for disposal.

## 7. Handling and Storage

Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Use methods to minimize dust.

## 8. Exposure Controls, Personal Protection

### Exposure Limits:

**Aluminum Silicate:** No occupational exposure limits established by OSHA, ACGIH, or NIOSH.

### Portland Cement:

5 mg/m<sup>3</sup> OSHA TWA (respirable particulate)  
10 mg/m<sup>3</sup> OSHA TWA (total particulate)  
10 mg/m<sup>3</sup> ACGIH TWA (total particulate) (no asbestos and <1% crystalline silica)  
5 mg/m<sup>3</sup> NIOSH recommended TWA 10 hour(s) (respirable particulate)  
10 mg/m<sup>3</sup> NIOSH recommended TWA 10 hour(s) (total particulate)

**Ventilation:** Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**Eye Protection:** Wear splash resistant safety goggles. Provide an emergency eye wash fountain in the immediate work area.

**Clothing:** Special clothing not required.

**Gloves:** Special gloves not required.

**Respirator:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory equipment must be certified by NIOSH/MSHA.

## 9. Physical and Chemical Properties

**Color:** Gray

**Physical Form:** Powder

**Odor:** Slight non-offensive odor

**pH:** 9-10

**Boiling Point:** No data available

**Flammability:** Not applicable

**Flash Point:** Not applicable

**Melting Point:** Not Applicable

**Explosive Properties:** None

**Freezing Point:** Not applicable

**Oxidation:** Not applicable

**Specific Gravity:** 2.87

**Water Solubility:** 0.15 – 1.0

## 10. Reactivity Data

**Reactivity:** Stable at normal temperatures and pressure.

**Polymerization:** Will not polymerize.

## 11. Toxicological Information

### HessLite Lightweight Blended Materials:

**Carcinogen Status:** None

**Acute Toxicity Level:** No data available

### Aluminum Silicate:

**Carcinogen Status:** None

**Acute Toxicity Level:** No data available

**Target Organs:** No data available

### Portland Cement:

**Carcinogen Status:** None

**Local Effects:** Irritant – skin, eye

**Medical Conditions Aggravated by Exposure:** Pre-existing upper respiratory conditions

## 12. Disposal Considerations

Dispose in accordance with all applicable regulations. Dispose in accordance with all applicable regulations.

## 13. Transport Information

No classification currently assigned.

## 14. Regulatory Information

### U.S. Regulations - TSCA Inventory Status:

TSCA 12(b) EXPORT NOTIFICATION:	Not listed
CERCLA, SECTION 103 (40CFR302.4):	N
SARA SECTION 302 (40CFR355.30):	N
SARA SECTION 304 (40CFR355.40):	N
SARA SECTION 313 (40CFR372.65):	N

### SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370-21):

ACUTE:	Y
CHRONIC:	N
FIRE:	N
REACTIVE:	N
SUDDEN RELEASE	N

**OSHA PROCESS SAFETY (29CFR1910.119):** N

### STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: N

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