

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### LAVA WRAP & LAVA MAT

#### Synonyms:

32075 LAVA WRAP & 70520 TO 70522 LAVA MAT

#### Company Identification

JEGS Automotive Inc. 101 Jegs Place Delaware, OH 43015

PHONE: 1-800-345-4545 WEBSITE: www.jegs.com

#### CAS Registry Number

None

#### Synonyms

None

#### Generic/Chemical Name

Basalt (Lava) Insulation

#### Product Type

Thermal Insulation

#### Preparation Date

10/08

#### Transportation Emergency Response

[www.jegs.com/msds](http://www.jegs.com/msds)

#### Product Information

Product Information and MSDS Requests: 1-800-345-4545

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### 2. Data on composition/ingredients

#### 2.1 Description:

Roving of continuous basalt filaments with nominal diameter of filaments 10-17 micron and moisture content below 0.5%

2.2	Hazardous Ingredients:	EINECS-No.:	Content %:	Hazard symbol:	R-setting:	Limit values Type:
	N/A	---	---	---	---	---

#### 2.3 Additional remarks:

## 3. HAZARD IDENTIFICATION

### 3. Potential risks:

#### 3.1 Type of risk:

N/A

#### R-setting

N/A

#### 3.2 Special risks to individuals and environment

N/A

## 4. FIRST AID MEASURES

### 4. First-Aid

#### 4.1 General:

Providing instructions for use of these products are complied with, there is no need for First Aid. Please note the information disclosed in points 7 and 8.

#### 4.2 After inhalation:

Normally not applicable. If necessary, take person(s) out in the open that they get some fresh air.

#### 4.3 After skin contact:

Normally not applicable. If necessary, remove mechanically.

#### 4.4 After eye contact:

Normally not applicable. If necessary, rinse with water for several minutes.

#### 4.5 After swallowing:

Normally not applicable. If necessary, wash mouth out with water.

#### 4.6 Information for physician:

Normally not applicable.

## 5. FIRE FIGHTING MEASURES

### 5. Fire Fighting

- 5.1 **Appropriate fire fighting media:** Adjust fire in the surroundings. These products are non-combustible
- 5.2 **Inappropriate fire fighting media (safety reasons):** N/A
- 5.3 **Particular risks specific to the product, its combustion products or developing gasses:** N/A
- 5.4 **Required fire fighting PPE:** N/A
- 5.5 **Additional Information:**

## 6. ACCIDENTAL RELEASE INFORMATION

### 6. Actions on inadvertent release

Absorb by mechanical means and dispose of them according to item 13. Avoid development of dust. See also item 8.

## 7. HANDLING AND STORAGE

### 7. Handling and storage

#### 7.1 Safe handling information including technical safe guarding:

Increased mechanical stress of the basalt roving may generate dust and airborne fibers, which may cause discomfort. At skin contact, skin irritations are possible. Availability of local suction is advised. The general hygiene rules and measures applying for the handling of chemicals must be employed.

#### **Fire and explosion related information:**

The products are non-combustible.

#### 7.2 Safe storage conditions:

##### **Storage room/warehouse requirements:**

Storage rooms must be well ventilated. Do not store product in passage ways and staircases; also do always store it in original packing which should be intact.

**Incompatible materials/restrictions on combined storage:** N/A

#### **Storage conditions:**

Storage at room temperature and dryly. Protect against humidity.

**Special requirements on electric systems and equipment:** N/A

**Static charge prevention:** N/A

**Storage class:** 13

## 8. EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

### 8. Exposure control and Personal Protective Equipment (PPE)

8.1 **Additional information for the design of technical equipment:** See item 7.1

8.2 **Substances with work-place related limit values/classification subject to control:**

CAS-No., EINCS-No.:	Substance:	Max. worksite concentration (MAK):	Peak Value:
---	General dust limit value: Respirable content (E): Alveola related content (A):		

#### **Additional remarks:**

The fibers processed in our products are uniform and are not subject to EC Guideline 97/69/EC. Furthermore, our products are not considered carcinogenic according to EC Guideline 1999/45/EC and TRGS 220 (Germany). The basalt fibers processed in our products are produced according to a defined process and have a nominal diameter of 10-19 micron.

Manmade mineral fibers categorized in appendix & HazMat Ordinance or TRGS 521 are subject to a TRK value of 250,000 fibers/m<sup>3</sup> according to TRGS 900.

#### **8.3 Personal Protective Equipment (PPE)**

If the instructions of item 7.1 are complied with, PPE is not required.

**Respiratory protection:** At elevated airborne fiber and dust levels, we recommend to use respiratory equipment (dust mask with a fine filter according to EN 143), Filter P1 (EN 141)

**Eye Protection:** In case of airborne fibers and dust we recommend wearing safety glasses (EN 166).

**Hand protection:** We recommend safety gloves to avoid possible skin irritation (leather or cotton gloves).

**Body protection:** Long-sleeved safety clothing as well as normal personnel protective equipment (e.g. safety boots EN 344)

**General protection and hygiene:**

Before breaks and after the end of the work day, wash hands thoroughly. In case of sensitive skin, apply a rich, protective hand lotion/cream. To protect against skin irritation, avoid tight fitting garments.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Dark-olive	<b>Odor</b>	Odorless
<b>Physical State</b>	Solid/Fibrous	<b>Melting Point</b>	Approx 1050°C
<b>Density</b> (expressed as bulk density (20°C))	2.67 g/cm <sup>3</sup> (raw basalt)	<b>pH-Value</b> (2g in 100 ml of water, 20°C)	N/A (DIN 54276)
<b>Vapor Pressure</b>	N/A	<b>Freezing Point</b>	Not Applicable
<b>Self ignition</b>	N/A	<b>Soluble in water</b>	Insoluble
<b>Flash Point</b>	N/A	<b>Soluble in water</b>	Insoluble
<b>Flammability</b>	Non-combustible	<b>Ignition temperature</b>	N/A
<b>Fire promoting properties</b>	N/A	<b>Coefficient of n-Octanol/water</b>	N/A
<b>Explosion limits power</b>	N/A	<b>Danger of explosion</b>	N/A

## 10. STABILITY AND REACTIVITY

### 10. Stability and reactivity

**10.1 Conditions to be avoided:** Humidity

**10.2 Substance to be avoided:** When handled as instructed, none known.

**10.3 Hazardous decomposition products:** N/A

**10.4 Other:** These products are not reactive

## 11. TOXICOLOGICAL INFORMATION

### 11. Toxicology data

#### 11.1 Toxicology test

<b>Acute toxicology, e.g. LD50:</b>	No data available
<b>Specific symptoms of animal tests:</b>	No data available
<b>Primary irritant/caustic action:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Effects after repeated or prolonged exposure:</b> (sub-acute to chronic toxicity)	No data available
<b>Carcinogenic risks:</b>	No, 97/69/EC
<b>Genotype and reproduction risks:</b>	No data available
<b>Other:</b>	See item 8.2

#### 11.2 Practical experience

**Classification specific information:** No data available

**Other:**

#### 11.3 General remarks:

## 12. ECOLOGICAL INFORMATION

### 12. Ecology data

**12.1 Elimination data** (persistence and degradability): No data available

#### 12.2 Environmental behavior

<b>Mobility:</b>	No data available
<b>Bio-accumulation potential:</b>	No data available

#### 12.3 Eco-toxicological effects

<b>Aqueous toxicity:</b>	No data available
<b>Behavior in sewage plants:</b>	N/A

#### 12.4 Other ecological data:

<b>CSB-value:</b> -mg/g	<b>BSB5-Value:</b> -mg/g
<b>AOX-note:</b> N/A	

**General remarks:**

## 13. DISPOSAL INFORMATION

### 13. Disposal

#### 13.1 Product:

**Waste Code No.: EWC-Code 101103**

Appropriate (waste) dump or garbage incinerating plant.

#### 13.2 Impure packing/wrapping material

Remove basalt fiber remains from packing/wrapping material. Disposal/recycling according to Packing Material Ordinance:

Waste code no.:

Waste type:

Accountability:

## 14. TRANSPORTATION INFORMATION

### 14. Transportation (national/international)

**14.1 Overland:** ADR/RID, GGVS/GGVE-Class

**14.2 Inland waterways:** AND/ADNR-Class

**14.3 Overseas:** IMDG/GGVSee-Class

**14.4 Air:** ICAO/IATA-Class

**14.5 Transport/other info:** Non-hazardous goods according to items 14.1-14.4

## 15. REGULATORY INFORMATION

### 15. Regulations

#### 15.1 Identification according to EC Guidelines

N/A

**Risk designation and alphabetical code:**

N/A

**Contains:**

N/A

**R-settings:**

N/A

**S-settings:**

N/A

**Specific identification of certain preparations:**

N/A

#### 15.2 National Regulations:

**Indications for employment limit:**

N/A

**Ordinance conc. Disruptive events:**

N/A

**Operating safety ordinance:**

N/A

**Technical instructions on maintaining air purity:**

N/A

**Water hazard class:**

Non-hazardous according to VwVwS dd. 17.05.199 ID-no.  
according to catalogue of substances hazardous to water 765  
(glass)

## 16. DISCLAIMER

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