



EZ STREET BIOBLEND S Asphalt

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 05/05/2015

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : EZ STREET BIOBLEND S Asphalt

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Asphalt Pavement Repair

1.3. Details of the supplier of the safety data sheet

The EZ Street Company
1786 NW 82nd Ave
Miami, FL 33126

Phone: 305-663-3090

Fax: 305-663-0832

Toll-free: 1-800-734-1476

1.4. Emergency telephone number

Emergency number : +1-800-734-1476

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

Not applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Limestone	(CAS No) 1317-65-3	91 - 97	Not classified
Asphalt	(CAS No) 8052-42-4	2 - 8	Carc. 2, H351
Soybean oil, methyl ester	(CAS No) 67784-80-9	0 - 5	Not classified
Fatty acids, tallow, methyl esters	(CAS No) 61788-61-2	0 - 5	Not classified
Fatty acids, palm kernel-oil, methyl esters	(CAS No) 91051-32-0	0 - 5	Not classified

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. In case of breathing difficulties administer oxygen. By trained personnel. Immediately get medical attention.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Do not rub the skin and eyes after direct contact with the product. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Do not rub the skin and eyes after direct contact with the product. Obtain medical attention if pain, blinking or redness persists.

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First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Immediately call a POISON CENTER or doctor/physician. Keep victim warm and rested. Obtain emergency medical attention. Do not induce vomiting. May result in aspiration into the lungs, causing chemical pneumonia.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : If user operations generate dust or fumes, . Irritating to the nose, throat, and respiratory tract. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting. Shortness of breath.

Symptoms/injuries after skin contact : If user operations generate dust or fumes; dust or fumes may cause eye irritation. Dust may cause mechanical irritation. . Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Symptoms/injuries after eye contact : Vapor irritates eyes. Dusts are mechanical irritants. Symptoms include stinging, watering, redness, and swelling. Burning sensation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water fog. Sand.

Unsuitable extinguishing media : Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Never use welding or cutting torch on or near (even empty) because material (even residue) can ignite explosively. Carbon Monoxide and other organic compounds may be formed upon combustion.

5.3. Advice for firefighters

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self-contained breathing apparatus.

Other information : Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Ensure adequate ventilation. Work in a well-ventilated area.
Eliminate all ignition sources if safe to do so.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Avoid creating or spreading dust. Minimize generation of dust. Scoop solid spill into closing containers. Store away from other materials. Dispose in a safe manner in accordance with local/national regulations. Consult the appropriate authorities about waste disposal.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Ensure adequate ventilation. Do not breathe dust. Do not breathe fumes. Avoid raising powdered materials into airborne dust. Avoid creating or spreading dust. Avoid contact with skin, eyes and clothing. Keep away from sources of ignition - No smoking. Eliminate all ignition sources if safe to do so. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Hygiene measures : Do not eat, drink or smoke when using this product. Use good personal hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.
- Storage conditions : Keep material in original packaging. Protect from humidity and water. Store in a cool and well-ventilated place.
- Incompatible materials : Strong acid. Oxidizing agents. Organic compounds. Petroleum products.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Asphalt (8052-42-4)		
ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³ (fume, inhalable fraction)
Limestone (1317-65-3)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)

8.2. Exposure controls

- Appropriate engineering controls : A washing facility/water for eye and skin cleaning purposes should be present. Provide mechanical general and/or local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.
- Personal protective equipment : Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing. For certain operations, additional Personal Protection Equipment (PPE) may be required.



- Hand protection : Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Eye protection : Safety glasses with side shields. Chemical goggles.
- Skin and body protection : Long sleeved protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!. Wear a NIOSH approved amine and ammonia respiratory cartridge or NIOSH approved air supplied breathing equipment. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Coated stone.
- Colour : Black

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Odour	: Petroleum-like odour
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: Slower than ether
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C (> 200 °F) – Cleveland Tag Open Cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Vapours are heavier than air
Relative density	: No data available
Solubility	: Water: Negligible.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 0 - 4 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

heat/sparks/open flames/hot surfaces.

10.5. Incompatible materials

Strong acids. Oxidizing agents. Organic compounds. Petroleum products.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. unburned hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
(Based on available data, the classification criteria are not met)

Asphalt (8052-42-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Limestone (1317-65-3)	
LD50 oral rat	6450 mg/kg
ATE US (oral)	6450.000 mg/kg bodyweight

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Fatty acids, vegetable-oil, methyl esters (68990-52-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified. (Due to its physical form, does not contain coal-tar and product is intended to be used as packaged (cold-ambient); no heating and no fume under normal recommended conditions of use. Conclusive but not sufficient for classification).

Asphalt (8052-42-4)	
IARC group	2B - Possibly carcinogenic to humans Listed under Bitumens, straight-run, and their emissions during road-paving; (extracts of steam-refined and air-refined); Monograph 35 [1985] Bitumens IARC - Group 2B (Possibly Carcinogenic to Humans)

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: If user operations generate dust or fumes, . Irritating to the nose, throat, and respiratory tract. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting. Shortness of breath.
Symptoms/injuries after skin contact	: If user operations generate dust or fumes, . Dust or fume may cause eye irritation. Dust may cause mechanical irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard.
Symptoms/injuries after eye contact	: Vapor irritates eyes. Dusts are mechanical irritants. Symptoms include stinging, watering, redness, and swelling. Burning sensation.

SECTION 12: Ecological information

12.1. Toxicity

Fatty acids, vegetable-oil, methyl esters (68990-52-3)	
LC50 fish 1	> 100000 mg/l 48 hours
LC50 other aquatic organisms 1	73729 mg/l 72 hours- Algae
EC50 Daphnia 1	< 0.13 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Not established.

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Fatty acids, vegetable-oil, methyl esters (68990-52-3)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

EZ STREET BIOBLENDAS Asphalt	
Bioaccumulative potential	Not established.

Asphalt (8052-42-4)	
BCF fish 1	(no bioaccumulation expected)
Log Pow	> 6

Fatty acids, vegetable-oil, methyl esters (68990-52-3)	
Log Pow	6.2 at 25°C
Log Kow	> 6
Bioaccumulative potential	Expected to have bioaccumulative potential.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No additional information available
Other information	: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Ensure all national/local regulations are observed. Consult the appropriate authorities about waste disposal.
Additional information	: Prevent contamination of soil, drains and surface waters.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

Other information	: No supplementary information available.
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ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Asphalt (8052-42-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Limestone (1317-65-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Soybean oil, methyl ester (67784-80-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Fatty acids, tallow, methyl esters (61788-61-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Fatty acids, canola, methyl esters (129828-16-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Biodiesel (68990-52-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Asphalt (8052-42-4)

Listed on the Canadian DSL (Domestic Substances List)

Limestone (1317-65-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Soybean oil, methyl ester (67784-80-9)

Listed on the Canadian DSL (Domestic Substances List)

Fatty acids, tallow, methyl esters (61788-61-2)

Listed on the Canadian DSL (Domestic Substances List)

Fatty acids, canola, methyl esters (129828-16-6)

Listed on the Canadian DSL (Domestic Substances List)

Biodiesel (68990-52-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Asphalt (8052-42-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Limestone (1317-65-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Soybean oil, methyl ester (67784-80-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Fatty acids, tallow, methyl esters (61788-61-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Fatty acids, palm kernel-oil, methyl esters (91051-32-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Biodiesel (68990-52-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC

No additional information available

15.2.2. National regulations

Asphalt (8052-42-4)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

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Limestone (1317-65-3)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Soybean oil, methyl ester (67784-80-9)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)

Fatty acids, tallow, methyl esters (61788-61-2)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Fatty acids, palm kernel-oil, methyl esters (91051-32-0)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)

Fatty acids, canola, methyl esters (129828-16-6)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Biodiesel (68990-52-3)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

Carc. 2	Carcinogenicity, Category 2
H351	Suspected of causing cancer

SDS US (GHS HazCom 2012)

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these will not require responsibility on behalf of the user. Users of any chemical should satisfy themselves that the conditions and method of use assure that the chemical is used safely. NO REPRESENTATION OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS