



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

### 1.1. Product identifier

Product name : Benda Board (all profiles including Edgex)  
Product code : Not available

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

Use of the substance/mixture : Non-Structural Landscape Edging

### 1.3. Details of the supplier of the safety data sheet

Epic Plastics  
104 East Turner Road  
Lodi CA 95240  
T 209 365 2110

### 1.4. Emergency telephone number

Emergency number : 209 747 5029

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

GHS-US Classification. Not Applicable. 29 CFR 1910.1200(b)(6)(v).

This product is defined as an "Article" as described in 29 CFR 1910.1200(c) and is therefore exempt from classification. This SDS contains information important to the safe handling and proper use of this product. The ingredients of this product are encapsulated in a polyethylene matrix that does not easily produce dust when subjected to cutting, sawing or grinding during installation and removal.

Dust generated from sawing or grinding may cause mechanical irritation to the respiratory tract, eyes or skin. Avoid breathing dust. Wear respiratory protection, gloves and safety glasses. Dispose of sweepings and offcuts in accordance with all local, regional, national and international regulations.

### 2.2. Other hazards

No additional information available.

### 2.3. Unknown acute toxicity (GHS US)

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable.

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
High Density Polyethylene	(CAS No) 9002-88-4	85 – 100*	Not Classified
Azodicarbonamide	(CAS No) 123-77-3	< 5 <sup>1</sup> *	Not Classified
Mineral Oil	(CAS No) 8042-47-5	< 5 <sup>1</sup> *	Not Classified
Proprietary Additive	Trade Secret	< 5*	Not Classified
Pigments	Trade Secret	< 5*	Not Classified
Process/ Performance Additives	Trade Secret	< 5*	Not Classified
Iron Oxide Yellow Pigment	(CAS No) 51274-00-1	< 5*	Not Classified
Iron Oxide Black Pigment	(CAS No) 1317-61-9	< 5*	Not Classified
Iron Oxide / Natural	(CAS No) 1317-60-8	< 5*	Not classified
Iron Oxide Red Pigment	(CAS No) 1309-37-1	< 5*	Not classified
Calcium Carbonate	(CAS No) 72608-12-9	< 5*	Not Classified

<sup>1</sup> These chemicals are both used as blowing agents and amounts used may vary from batch to batch. However, the total blowing agent used, regardless of the type, will not exceed 5%.

\* The exact percentage (concentration) and specific chemical identity has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

First-aid measures after skin contact : If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.



First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. Dust may cause respiratory tract irritation.  
Symptoms/injuries after skin contact : Dust may cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.  
Symptoms/injuries after eye contact : Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.  
Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.  
Unsuitable extinguishing media : None known.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon, nitrogen, water.

**5.3. Advice for firefighters**

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**6.2. Methods and material for containment and cleaning up**

For containment : Pick up large pieces, then place in a suitable container. Minimize generation of dust. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).  
Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Use wet methods, if appropriate, to reduce the generation of dust. Provide ventilation.

**6.3. Reference to other sections**

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use wet methods, if appropriate, to reduce the generation of dust. Handle with care. When using do not eat, drink or smoke.  
Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store at temperatures above 120 °F.

**7.3. Specific end use(s)**

Not available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

High Density Polyethylene (9002-88-4)  
Azodicarbonamide (123-77-3)  
Mineral Oil (8042-47-5)  
Proprietary Additive\*  
Pigments\*  
Process/performance additives\*

ACGIH : Not applicable



OSHA	Not applicable
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Calcium Carbonate (72608-12-9)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Cal OSHA	CalOSHA PEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)

Iron oxides (Rouge) (51274-00-1) (1317-61-9) (1317-60-8) (1309-37-1)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Cal OSHA	CalOSHA PEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)

\* Chemicals are trade secrets as described in section 3.2.

### 8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Flexible board
Color	: Brown
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data
available Flammability (solid, gas)	: Not flammable
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available



Viscosity : No data available  
 Viscosity, kinematic : No data available  
 Viscosity, dynamic : No data available

## 9.2. Other information

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Strong acids.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, nitrogen, water.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified.

<b>Benda Board (all profiles including Edgex)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	No data available
<b>Azodicarbonamide (123-77-3)</b>	
LD50 oral rat	> 6400 mg/kg
<b>Mineral Oil (8042-47-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
LC50 inhalation rat	No data available
<b>Calcium Carbonate (72608-12-9)</b>	
LD50 oral rat	> 6450 mg/kg
<b>Iron oxides (Rouge) (51274-00-1) (1317-61-9) (1317-60-8) (1309-37-1)</b>	
LD50 oral rat	> 10000 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : May cause breathing difficulties if inhaled.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Reproductive toxicity : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. Dust may cause respiratory tract irritation.

Symptoms/injuries after skin contact : Dust may cause skin irritation. Symptoms may include redness, drying, defatting and cracking



of the skin.

Symptoms/injuries after eye contact : Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general : No ecological consideration when used according to directions.

**12.2. Persistence and degradability**

<b>Benda Board (all profiles including Edgex)</b>	
Persistence and degradability	Not established.

**12.3. Bioaccumulative potential**

<b>Benda Board (all profiles including Edgex)</b>	
Bioaccumulative potential	Not established.

**12.4. Mobility in soil**

No additional information available.

**12.5. Other adverse effects**

Effect on the global warming : No known ecological damage caused by this product.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**SECTION 14: Transport information**

**Department of Transportation (DOT)**

In accordance with DOT.

Not regulated for transport.

**Additional information**

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

**15.2. US State regulations**

<b>Benda Board (all profiles including Edgex)</b>	
State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. No Proposition 65 warning is required.

**SECTION 16: Other information**

Date of issue : 04/29/2015

Other information : Version 2.3 03/29/2018

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