

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AnyWay's Soil Bond  
Utilization: Soil Stabilizer for Compressed Earth Block  
Manufacturer: AnyWay Solid Environmental Solutions Ltd.  
Contact Details: info@anywaysolutions.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Residue (105<sup>0</sup> C): 99.2%  
Residue (600<sup>0</sup> C): 95.8%

Ca, Si, Mg, Fe, Cu, S, K, Al, Zn, Mn

### 3. HAZARDOUS IDENTIFICATION

**Overview:** Solid; beige powder; odorless.

#### Potential Health Effects

**Inhalation (acute):** Breathing dust may cause nose, throat or lung irritation and choking. The described effect depends on the degree of exposure.

**Inhalation (chronic):** Prolonged or repeated exposure may cause lung injury including silicosis. This product may contain crystalline silica. Long term exposures, which result in silicosis, may result in additional health effects. Risk of injury depends on duration and level of exposure.

**Eye Contact (acute/chronic):** May cause eye irritation, severe burns and damage to cornea.

**Skin Contact (acute/chronic):** May cause dry skin, redness discomfort, irritation or severe burns.

**Ingestion (acute/chronic):** Ingestion of large amounts may cause intestinal distress.

### 4. FIRST AID MEASURES

General:

**Soil Bond is a basic material, not acidic. In case of doubt or if the symptom persists, contact a medical doctor.**

#### **Inhalation:**

Move person to fresh air. Seek medical attention for discomfort.

#### **Eye Contact:**

Rinse thoroughly with water. Seek medical attention for abrasions.

#### **Skin Contact:**

Wash with soap and water. Use moisturizing creams for irritated skin. Seek medical attention for burns.

#### **Ingestion:**

**Do not induce vomiting, but drink plenty of water. Seek medical attention for discomfort.**

### 5. FIRE FIGHTING MEASURES

**Flashpoint and Method:** None.

**Flammable Limits:** Not combustible.

**Auto-ignition Temperature:** None.

**General Hazard:** Avoid breathing dust.

**Fire Fighting Instructions:** Treat adjacent material.

**Fire Fighting Equipment:** This product is not a fire hazard. Self-contained breathing apparatus is recommended to limit exposures to smoke from any combustion source.

**Hazardous Combustion Products:** None.

### 6. ACCIDENTAL RELEASE MEASURES

**General:** Wind blown dust may cause the hazards identified in Section 3. Remove spilled material to limit potential harm.

**Land Spill:** Clean up spilled material.

**Water Spill:** Clean up spilled material.

#### **Summary:**

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment. Pick up and containerise for reclamation or disposal, preferably using a method that does not generate excessive dust.

### 7. HANDLING AND STORAGE

Keep Soil Bond dry until used. Normal temperature and pressure do not affect the material.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Engineering Controls**

Use exhaust ventilation to maintain dust levels below exposure limits in workplaces with poor ventilation and dusty conditions.

**Respiratory Protection:** Under ordinary conditions no respiratory protection is required.

#### **Respiratory:**

A condition in which normal ventilation is present provides adequate respiratory conditions. If excessive production of dust is produced during handling, wear a NIOSH\* approved respirator when exposed to dust above exposure limits.

\*(National Institute for Occupational Safety and Health)

#### **Eye Protection:**

Wear glasses or safety goggles to prevent contact with eyes. Wearing contact lenses when using this product under dusty conditions is not recommended.

**Skin Protection:**

Use gloves, shoes and protective clothing to prevent skin contact.

Contaminated clothing should be removed and the skin washed with soap and water or an appropriate skin cleanser.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Beige powder.

**Odor:** Odorless.

**pH:** 12.5 (saturated paste).

**Vapor Pressure:** Not Measurable.

**Flammability:** Non-flammable.

**Specific Gravity:** 2.5

**Auto-flammability:** Not Applicable.

**Oxidizing Properties:** Not Applicable.

**Solubility:** In water 0.2 pts/100 pts.

**Partition Coefficient:** Not Applicable.

**Freezing Point:** None, solid.

**Viscosity:** None, solid.

**10. STABILITY AND REACTIVITY****Stability:**

Hygroscopic. Stable but must be kept dry.

**Incompatible materials/Conditions to be avoided:**

Must be kept dry. Dissolves in hydrofluoric acid producing corrosive silicon tetrafluoride gas, Silicates react with powerful oxidizers such as fluorine, chlorine trifluoride and oxygen difluoride.

**Hazardous Decomposition:**

None, powdered solid.

**11. TOXICOLOGICAL INFORMATION**

48 hour - LC<sub>50</sub> 1.622 g/L

72 hour - EC<sub>50</sub> 10-25 g/L

**For detailed toxicological information contact:**

AnyWay Solid Environmental Solutions Ltd. (As per Section 1 above).

**12. ECOLOGICAL INFORMATION****Environmental Fate:**

This material is not expected to significantly bioaccumulate.

**For detailed ecological information:** See Section 11 above.

**13. DISPOSAL CONSIDERATIONS**

Dispose in landfill in accordance with all applicable regulations. Any disposal practice must be in compliance with local, provincial, state, and federal laws and regulations. Contact local environmental agency for specific rules.

**14. TRANSPORT INFORMATION**

Not Regulated.

**15. REGULATORY INFORMATION**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

This MSDS has been prepared according to Commission Directive 91/155/EEC of 5 March 1991 and the MSDS contains all of the information required by the Commission.

**16. OTHER INFORMATION**

The product is not intended for uses other than specified under Heading 1 without the prior written authorization of AnyWay Solid Environmental Solutions Ltd.

It is the responsibility of the user to take all necessary measures and precautions and recognize and respond to local laws and regulations.

The information contained in the present document should be considered a description of the relative Health and Safety information of Soil Bond and is not a guarantee of the properties of the product.

**Last Revision: 02/09/2007**

**Disclaimer:**

This information relates only to the specific material designated and may not be valid for such a material used in combination with any other materials or any process. Such information is, to the best of the company's knowledge and belief Accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy themselves as to the suitability of such information for their own particular use.