

## Senergy Senerlastic™ Coating

Version 1.3

06/29/2006

### 1. PRODUCT AND COMPANY INFORMATION

Company	:	<b>BASF Wall Systems</b> 3550 St. John's Bluff Road, South Jacksonville, FL 32224
Telephone	:	904-996-6000
Emergency telephone number	:	(800) 424-9300 (703) 527-3887 (Outside Continental US)
Product name	:	Senergy Senerlastic™ Coating
MSDS ID No.	:	11103
TSCA Inventory	:	All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian DSL	:	All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List (DSL).
Product Use Description	:	Coating

### 2. HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>	<u>Weight %</u>
ETHYLENE GLYCOL	107-21-1	N.E.	N.E.	N.E.	100 mg/m <sup>3</sup>	1.00 - 5.00 %
SILICA, CRYSTALLINE QUARTZ	14808-60-7	0.05 mg/m <sup>3</sup>	N.E.	0.1 mg/m <sup>3</sup>	N.E.	0.10 - 1.00 %

### 3. HAZARDS IDENTIFICATION

HMIS® Rating	HEALTH	FLAMMABILITY	PHYSICAL HAZARD
	1	1	0

WHMIS Class	:	D2B
Primary Routes of Entry	:	Skin contact Eye contact Ingestion

#### Effects of Overexposure

Inhalation	:	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Prolonged inhalation can be harmful.
Skin	:	Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure can cause skin irritation and redness.
Eyes	:	Can cause slight irritation.

## Senergy Senerlastic™ Coating

Version 1.3

06/29/2006

- Ingestion : Can cause slight irritation. Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, and drowsiness.
- Chronic exposure : Prolonged or repeated exposure may cause injuries to the kidney. This product contains Crystalline (quartz) Silica which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product.

### Carcinogenicity

	ACGIH	IARC	NTP	OSHA
ETHYLENE GLYCOL	Not classifiable as a human carcinogen.	N.E.	N.E.	N.E.
SILICA, CRYSTALLINE QUARTZ	Suspected human carcinogen.	Human carcinogen.		N.E.

## 4. FIRST AID MEASURES

- Eye contact : Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
- Skin contact : Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
- Ingestion : Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
- Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

- Flash point : > 392 °F (200 °C)
- Autoignition temperature : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Suitable extinguishing media : water spray  
Carbon dioxide, foam, dry chemical & water fog.
- Fire and Explosion Hazards : Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water spray.
- Special Fire-fighting Procedures : As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

## Senergy Senerlastic™ Coating

Version 1.3

06/29/2006

### 6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up : Wear appropriate protective equipment (refer to section 8). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

### 7. HANDLING AND STORAGE

Handling : Keep out of reach of children. Use only in area provided with appropriate ventilation. For personal protection see section 8.

Storage : Keep tightly closed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection : Wear as appropriate:  
safety glasses with side-shields  
goggles  
face-shield

Hand protection : Wear as appropriate:  
impervious gloves

Body Protection : Wear as appropriate:  
impervious clothing  
preventive skin protection

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

Hygienic Practices : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls : Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Color : opaque

Physical State : liquid

Odor : sweet ammoniacal

pH : 9.0 - 9.4

Odor Threshold : no data available

**Senergy Senerlastic™ Coating**

Version 1.3

06/29/2006

Vapor Pressure : no data available  
 Vapor Density : no data available  
 Boiling point/range : 212 °F (100 °C)  
 Freeze Point : no data available  
 Water solubility : dilutable  
 Specific Gravity : no data available  
 Viscosity : no data available  
 Evaporation rate : Slower than Butyl acetate  
 Partition coefficient (n-octanol/water) : no data available  
 VOC Concentration as applied (less water and exempt solvents) : 60 - 73 g/l

**10. STABILITY AND REACTIVITY**

Stability : Stable under recommended storage conditions.  
 Conditions to avoid : Prolonged exposure to high temperatures  
 Materials to avoid : Strong mineral acids, Lewis acids, oxidizing agents, strong bases.  
 Hazardous decomposition products : Oxides of carbon  
 nitrogen oxides (NOx)  
 Hazardous polymerization : Will not occur under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**Acute inhalation toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
	LC50	no data available		
<u>Component</u>				
ETHYLENE GLYCOL	LC50	no data available		
SILICA, CRYSTALLINE QUARTZ	LC50	no data available		

**Acute oral toxicity**

<u>Type</u>	<u>Value</u>	<u>Species</u>
-------------	--------------	----------------

**Senergy Senerlastic™ Coating**

Version 1.3

06/29/2006

Product LD50 (Oral) no data available

Component

ETHYLENE GLYCOL LD50 (Oral) 4,700 mg/kg rat  
 SILICA, CRYSTALLINE QUARTZ LD50 (Oral) 1,300 mg/kg

**Acute dermal toxicity**

Type Value Species

Product LD50 (Dermal) no data available

Component

ETHYLENE GLYCOL LD50 (Dermal) no data available  
 SILICA, CRYSTALLINE QUARTZ LD50 (Dermal) no data available

**12. ECOLOGICAL INFORMATION**

Ecotoxicological Information : There is no data available for this product.

**13. DISPOSAL CONSIDERATIONS**

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

**14. TRANSPORT INFORMATION**

DOT : Proper shipping name Not regulated  
 IATA : Proper shipping name Not regulated

**15. REGULATORY INFORMATION**

**SARA 311/312 (RTK)**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD DELAYED (CHRONIC) HEALTH HAZARD

**SARA 313**

This product contains the following substances 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:

Weight % CAS No. Chemical Name

**Senergy Senerlastic™ Coating**

Version 1.3

06/29/2006

1.00 - 5.00 %      107-21-1      ETHYLENE GLYCOL

**CERCLA**

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
5,000 lbs	107-21-1	ETHYLENE GLYCOL

**TSCA Section 12(b) Export Notification**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>CAS No.</u>	<u>Chemical Name</u>
----------------	----------------------

There are no TSCA 12(b) Chemicals in this product.

**California Proposition 65**

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<u>CAS No.</u>	<u>Chemical Name</u>
14808-60-7	SILICA, CRYSTALLINE QUARTZ
107-13-1	ACRYLONITRILE
123-91-1	DIOXANE
7439-92-1	INORGANIC LEAD
7439-97-6	MERCURY
7440-02-0	NICKEL
7440-38-2	ARSENIC
7440-43-9	CADMIUM
75-07-0	ACETALDEHYDE
75-21-8	ETHYLENE OXIDE

---

**16. OTHER INFORMATION**

---

Legend : N.E. - Not Established  
 TLV - Threshold Limit Value  
 STEL - Short Term Exposure Limit  
 PEL - Permissible Exposure Limit  
 CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the manufacturer's knowledge, or is obtained from sources believed by the manufacturer to be accurate and is not intended to be all inclusive. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The manufacturer assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, the manufacturer assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.



The Chemical Company

**Senergy Senerlastic™ Coating**

Version 1.3

06/29/2006

End of MSDS.