

**SEWER GUARD® TG EPOXY LINER PART C**

Version 2.1

03/26/2004

**1. PRODUCT AND COMPANY INFORMATION**

Company : **Degussa Building Systems**  
889 Valley Park Drive  
Shakopee, MN 55379

Telephone : 952-496-6000

Emergency telephone number : (800) 424-9300  
(703) 527-3887 (Outside Continental US)

Product name : SEWER GUARD® TG EPOXY LINER PART C

MSDS ID No. : 10007

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>
SILICA, CRYSTALLINE QUARTZ	14808-60-7	0.05 mg/m3	N.E.	5 mg/m3	N.E.	60.00 - 100.00 %

**3. HAZARDS IDENTIFICATION**

HMIS® Rating	HEALTH	FLAMMABILITY	PHYSICAL HAZARD
	2*	0	0

WHMIS Class : D2A

Primary Routes of Entry : Ingestion  
Inhalation  
Eye contact  
Skin contact

**Effects of Overexposure**

Inhalation : May be harmful by inhalation (after often repeated exposure). May cause irritation of respiratory tract.

Skin : Can cause slight irritation.

Eyes : Can cause moderate irritation due to abrasive action.

Ingestion : Can cause slight irritation.

Chronic exposure : 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

**SEWER GUARD® TG EPOXY LINER PART C**

Version 2.1

03/26/2004

respirable Crystalline (quartz) silica can cause silicosis or other delayed and serious lung injury.

**Carcinogenicity**

	ACGIH	IARC	NTP	OSHA
SILICA, CRYSTALLINE QUARTZ	Suspected human carcinogen.	Human carcinogen.	Known 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 : Not combustible.
- Autoignition temperature : Not combustible.
- Lower explosion limit : not applicable
- Upper explosion limit : not applicable
- Suitable extinguishing media : Not combustible.  
Use extinguishing agent suitable for type of surrounding fire.
- Fire and Explosion Hazards : None known.
- Special Fire-fighting Procedures : As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

- Methods for cleaning up : No special procedures are required for the clean-up of spills or leaks of this material. Sweep or scoop up spill, avoid creating dust, and return for reuse or discard.

**7. HANDLING AND STORAGE**

- Handling : Keep out of reach of children. For personal protection see section 8.
- Storage : Keep tightly closed.

**SEWER GUARD® TG EPOXY LINER PART C**

Version 2.1

03/26/2004

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Eye protection : Wear as appropriate:  
safety glasses with side-shields  
goggles  
face-shield
- Hand protection : Wear as appropriate:  
gloves
- Body Protection : Wear as appropriate:  
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 appropriate certified 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 : tan
- Physical State : solid
- Odor : none
- pH (at 100 %) : not applicable
- Odor Threshold : no data available
- Vapor Pressure : not applicable
- Vapor Density : not applicable
- Boiling point/range : no data available
- Freeze Point : no data available
- Water solubility : insoluble
- Specific Gravity : 2.65
- Viscosity : no data available
- Evaporation rate : not applicable
- Partition coefficient (n-octanol/water) : no data available
- VOC Concentration as applied (less water and exempt) : 0 g/l  
Note: VOC concentration expressed as applied when all components

**SEWER GUARD® TG EPOXY LINER PART C**

Version 2.1

03/26/2004

solvents) are mixed and applied per manufacturer's instructions.

**10. STABILITY AND REACTIVITY**

- Stability : Stable under recommended storage conditions.
- Conditions to avoid : no data available
- Materials to avoid : no data available
- Hazardous decomposition products : no data available
- 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>				
SILICA, CRYSTALLINE QUARTZ	LC50	no data available		

**Acute oral toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	
<u>Component</u>			
SILICA, CRYSTALLINE QUARTZ	LD50 (Oral)	1,300 mg/kg	

**Acute dermal toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Dermal)	no data available	
<u>Component</u>			
SILICA, CRYSTALLINE QUARTZ	LD50 (Dermal)	no data available	

**12. ECOLOGICAL INFORMATION**

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

**13. DISPOSAL CONSIDERATIONS**

**SEWER GUARD® TG EPOXY LINER PART C**

Version 2.1

03/26/2004

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:

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

This product contains no chemicals subject to the SARA 313 supplier notification requirements.

**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>
-----------	----------------	----------------------

No CERCLA chemicals exist in this product above reportable concentrations.

**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

**16. OTHER INFORMATION**

## SEWER GUARD® TG EPOXY LINER PART C

Version 2.1

03/26/2004

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.

End of MSDS.