

SEWER GUARD® TG EPOXY LINER PART B

Version 1.3

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 B

MSDS ID No. : 10735

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).

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>
PETROLEUM DISTILLATES	68477-30-5	N.E.	N.E.	N.E.	N.E.	15.00 - 40.00 %
ISOPHORONE DIAMINE	2855-13-2	N.E.	N.E.	N.E.	N.E.	15.00 - 40.00 %
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	90-72-2	N.E.	N.E.	N.E.	N.E.	1.00 - 5.00 %
TRIETHYLENETETRAMINE	112-24-3	N.E.	N.E.	N.E.	N.E.	1.00 - 5.00 %
SILICA, CRYSTALLINE QUARTZ	14808-60-7	0.05 mg/m3	N.E.	5 mg/m3	N.E.	0.10 - 1.00 %

3. HAZARDS IDENTIFICATION

HMIS® Rating	HEALTH	FLAMMABILITY	PHYSICAL HAZARD
	3	1	0

WHMIS Class : E

Primary Routes of Entry : Ingestion
Inhalation
Eye contact
Skin contact

Effects of Overexposure

Inhalation : Harmful by inhalation. Can cause severe irritation to respiratory tract.

Skin : Can cause severe irritation and possible burns. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact.

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- Eyes : Corrosive. Can cause severe irritation, redness, tearing and blurred vision and possible burns and corneal injury.
- Ingestion : Corrosive! Can cause severe and permanent damage to mouth, throat and stomach.
- Chronic exposure : Existing respiratory or skin ailments may be aggravated by 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 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
PETROLEUM DISTILLATES	N.E.	N.E.	N.E.	N.E.
ISOPHORONE DIAMINE	N.E.	N.E.	N.E.	N.E.
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHE NOL	N.E.	N.E.	N.E.	N.E.
TRIETHYLENETETRAMINE	N.E.	N.E.	N.E.	N.E.
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 : > 200.01 °F (93.34 °C)
- Autoignition temperature : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Suitable extinguishing media : foam
carbon dioxide (CO2)
dry chemical
water fog
- Fire and Explosion Hazards : Fire may produce irritating or poisonous fumes. Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water spray.

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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 : Evacuate personnel to safe areas. Wear personal protective equipment. Contain spill immediately. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling : Keep out of reach of children. For personal protection see section 8.

Storage : Store in a place accessible by authorized persons only. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Hand protection : Wear Chemically resistant gloves.

Body Protection : Wear as appropriate:
Chemically resistant clothes
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 : amber

Physical State : liquid

Odor : amine-like

pH : no data available

Odor Threshold : no data available

Vapor Pressure : no data available

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Vapor Density	:	Heavier than air
Boiling point/range	:	390.00 - 531.00 °F (198.89 - 277.22 °C)
Freeze Point	:	no data available
Water solubility	:	no data available
Specific Gravity	:	1.14
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)	:	0 g/l Note: VOC concentration expressed as applied when all components are mixed and applied per manufacturer's instructions.

10. STABILITY AND REACTIVITY

Stability	:	Stable under recommended storage conditions.
Materials to avoid	:	strong acids strong bases strong acids and oxidizing agents
Hazardous decomposition products	:	Oxides of carbon Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous polymerization	:	Will not occur when handled according to instructions.

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>				
PETROLEUM DISTILLATES	LC50	no data available		
ISOPHORONE DIAMINE	LC50	no data available		
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	LC50	no data available		
TRIETHYLENETETRAMINE	LC50	no data available		
SILICA, CRYSTALLINE QUARTZ	LC50	no data available		

Acute oral toxicity

<u>Type</u>	<u>Value</u>	<u>Species</u>
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Product LD50 (Oral) no data available

Component

PETROLEUM DISTILLATES	LD50 (Oral)	no data available
ISOPHORONE DIAMINE	LD50 (Oral)	no data available
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	LD50 (Oral)	no data available
TRIETHYLENETETRAMINE	LD50 (Oral)	8,970 mg/kg
SILICA, CRYSTALLINE QUARTZ	LD50 (Oral)	1,300 mg/kg

Acute dermal toxicity

	<u>Type</u>	<u>Value</u>	<u>Species</u>
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Product LD50 (Dermal) no data available

Component

PETROLEUM DISTILLATES	LD50 (Dermal)	no data available	
ISOPHORONE DIAMINE	LD50 (Dermal)	no data available	
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	LD50 (Dermal)	1,280 mg/kg	rabbit
TRIETHYLENETETRAMINE	LD50 (Dermal)	805 mg/kg	rabbit
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	CORROSIVE LIQUIDS, N.O.S. (AMINE BLEND)
	UN-No	1760
	Class	8
	Packaging group	II
	Primary Label	Corrosive
IATA	: Proper shipping name	CORROSIVE LIQUIDS, N.O.S. (AMINE BLEND)
	UN-No	1760
	Class	8
	Packaging group	II
	Primary Label	Corrosive

15. REGULATORY INFORMATION

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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.