

SAFETY DATA SHEET



210 SewerGard Sprayable Lining, Part A, Hardener

Date Issued : 07/07/2015

SDS No : SCC-210SA

Date Revised : 02/28/2018

Revision No : 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 210 SewerGard Sprayable Lining, Part A, Hardener**PRODUCT DESCRIPTION:** SewerGard, Part A, Hardener**PRODUCT CODE:** 210SFA**CHEMICAL FAMILY:** Modified Cycloaliphatic Polyamine**MANUFACTURER**

Sauereisen
160 Gamma Drive
Pittsburgh, PA 15238

Emergency Contact: John Kozak**Emergency Phone:** (800)444-8235**Alternate Contact:** Anthony Comport**Customer Service:** 412 963-0303**E-Mail:** jakozak@sauereisen.com**24 HR. EMERGENCY TELEPHONE NUMBERS**

Poison Control Center (Medical):1-800-222-1222

CHEMTREC (US Transportation): 1-800-424-9300

CHEMTREC (Canada Transportation):1-703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Skin Irritation, Category 2

Acute Toxicity (Inhalation), Category 4

Acute Toxicity (Oral), Category 4

Eye Irritation, Category 2B

Respiratory Sensitization, Category 1B

Physical:

Flammable Liquids, Category 4

GHS LABEL

Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H332: Harmful if inhaled.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H227: Combustible liquid.

H320: Causes eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

PRECAUTIONARY STATEMENTS**Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271: Use only outdoors or in a well-ventilated area.
 P285: In case of inadequate ventilation wear respiratory protection.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
 P330: Rinse mouth.
 P312: Call a POISON CENTER/doctor/...if you feel unwell.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
 P370+P378: In case of fire: Use carbon dioxide, foam, dry chemicals, sand, earth or steam to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container to ...

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phenol	< 30	108-95-2
Benzyl Alcohol	< 30	100-51-6
1,2-cyclohexanediamine	< 20	694-83-7
Hexamethylenediamine	< 20	124-09-4
poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	< 30	9046-10-0

4. FIRST AID MEASURES

EYES: Check for and remove all contact lenses. Flush eyes immediately with water or physiological saline for at least 15 minutes while lifting upper and lower lids. Do not use eye ointment. Seek medical attention.

SKIN: Wash promptly with soap and water. If soaked through clothing, promptly remove clothing and wash skin. Launder clothing before reuse. Discard saturated shoes and leather clothing. For severe exposures, get under safety hower after removing clothing. Do not apply greases or ointments. Seek medical attention for incidents of significant exposure or if effects apparent.

INGESTION: Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical attention.

INHALATION: If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE EFFECTS: Will cause burns to skin and eyes. High concentration of vapors can cause severe irritation of eyes and respiratory tract. Liquid causes severe damage to mucous membranes if swallowed.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemicals, sand, earth, and steam.

6. ACCIDENTAL RELEASE MEASURES**SMALL SPILL:**

Avoid contact with material. Persons not wearing appropriate protective equipment should be excluded from the area of spill until clean-up is complete. Stop spill at source. Dike area to prevent spreading. Remaining product may be taken up by clay, diatomaceous earth or other absorbent and shoveled into disposal containers such as a dumpster or other common garbage receptacle. Residual material may be removed using steam or hot soapy water. Keep spark-producing equipment

away from area. Observe environmental regulations and report spills as required to appropriate authorities.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing. For industrial use only! Harmful if inhaled. Do not take internally. May cause irritation. Do not eat, drink or smoke when using this product. Wear chemical splash goggles, gloves and protective clothing. Avoid high ambient temperatures and humidity. Wash thoroughly after handling.

HANDLING: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air. Take precautionary measures against static discharge. All metal parts of the mixing and processing equipments must be grounded. Ensure all equipment is grounded before transfer operations.

STORAGE: Store in a cool dry, well ventilated place. Keep container closed when not in use. Store away from direct heat and flame. Remove all sources of ignition or sparks from area. Store out of direct sunlight. Do not store together with volatile chemicals as they may be absorbed onto product. Keep at ambient temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Phenol	OSHA PEL	TWA	5	
	ACGIH TLV	TWA	5	
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Benzyl Alcohol	ACGIH TLV	TWA	10	
Hexamethylenediamine	ACGIH TLV	TWA	0.5	2.3

ENGINEERING CONTROLS: Breathing vapors must be avoided. Ventilation must be sufficient to control vapors. This material should be confined as far as possible within sealed or covered equipment in which case normal ventilation should be adequate. Special (local) ventilation will be needed in areas where vapors are expected to be vented.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, chemical resistant goggles, or face shield. Contact lenses should not be worn.

SKIN: Suitable protective gloves (neoprene, butyl rubber, or viton). Clothing should be clean, long-sleeved workclothes. Synthetic apron. Boots. Wash thoroughly before eating, smoking, applying cosmetics, etc. Thoroughly launder work clothes before reuse. Safety shower nearby.

RESPIRATORY: A suitable respirator complying with the most current NIOSH/ANSI/EN requirements should be used. In the U.S. use dust respirators in compliance with OSHA Standard 1910.134, and in the E.U. use dust respirators in compliance with EN149:2001 FFP2 or FFP3 and rated for at least 10X WEL. . For emergency, a self-contained positive pressure, breathing apparatus or full face respirator is recommended. If TLV of any component is exceeded, use appropriate respiratory protection or ventilate in accordance with OSHA regulation 29 CFR Part 1910.

COMMENTS:

Exposure Controls

Australia: 2mg/m³, Total Dust

Austria MAK: 4mg/m³, TWA, Inhalable Fraction

Finland: 5mg/m³

Germany TRGS 900: 4mg/m³, TWA, Inhalable Fraction

India: 10mg/m³, TWA

Ireland: 2.4mg/m³, TWA, Respirable Dust

Norway: 1.5mg/m³, TWA, Respirable Fraction

Switzerland: 4mg/m³, TWA

UK WEL: 6mg/m³, TWA, Total Inhalable Fraction 2.4mg/m³, TWA, Respirable Fraction

US OSHA PEL: 6mg/m³

US ACGIH-TLV: 10mg/m³, TWA, Inhalable 3mg/m³, TWA, Respirable

Belgium: 10mg/m³, TWA, Inhalable 3mg/m³, TWA, Respirable

China: 8mg/m³, TWA 10mg/m³, STEL

Italy: 10mg/m³, TWA, Inhalable 3mg/m³, TWA, Respirable

Malaysia: 10mg/m³, TWA, Inhalable 3mg/m³, TWA, Respirable

Spain: 10mg/m³, VLA, Inhalable 3mg/m³, VLA, Respirable

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Benzyl Alcohol	200

ODOR: Mild phenolic

ODOR THRESHOLD: Not Available

APPEARANCE: Liquid

COLOR: Yellow-brown

pH: Not Established

PERCENT VOLATILE: Not Established

VAPOR PRESSURE: Not Established

VAPOR DENSITY: NA = Not Applicable

BOILING POINT: (500°F)

MELTING POINT: Not Established

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.04

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under normal conditions of use and storage.

CONDITIONS TO AVOID: Keep away from heat and sources of ignition. Avoid dust formation. Product resists ignition and does not promote flame spread.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, and / or ammonia.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizers or epoxy resins under uncontrolled conditions.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Benzyl Alcohol	1230	2000	1000

DERMAL LD₅₀: ≥ 2000 mg/kg (rabbit)

ORAL LD₅₀: ≥ 5000 mg/kg (rat)

INHALATION LC₅₀: Due to the product's physical properties, no suitable testing procedure is available

SERIOUS EYE DAMAGE/IRRITATION: Draize score 0.7/110 @ 24 hr.

RESPIRATORY OR SKIN SENSITISATION: A delayed contact hypersensitivity study in guinea pigs utilizing the Magnusson and Klingman maximization technique was performed. No sensitization responses were observed.

GERM CELL MUTAGENICITY: Not mutagenic in AMES test, unscheduled DNA synthesis, chromosomal aberration in Chinese hamster ovary (CHO) cells.

CARCINOGENICITY

NOTES: Does not contain any substances greater than 0.1% listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union)

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: According to experience not expected.

DISTRIBUTION: Not determined.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: > 10000 mg/L *Brachydanio rerio* (Method: OECD 203)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Non-hazardous. Material should be disposed of in approved landfill according to federal, state, and local regulations.

PRODUCT DISPOSAL: Unused and uncontaminated product can be burned in suitable incineration plants or disposed of in a suitable landfill in accordance with the regulations issued by the appropriate federal, provincial, state, and local authorities.

EMPTY CONTAINER: Disposal must be made according to official regulations.

RCRA HAZARD CLASS: Not a hazardous waste.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Amines, Liquid, Corrosive, N.O.S., (1,2 Cyclohexanediamine)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN2735

PACKING GROUP: II

LABEL: Corrosive

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

R20/22: Harmful by inhalation and if swallowed.

R34: Causes burns.

R42/43: May cause sensitization by inhalation and skin contact.

S23: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** Acute. Chronic.**313 REPORTABLE INGREDIENTS:** Phenol * 108-95-2 * 20% Max weight.**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Phenol	< 30	108-95-2

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**CERCLA REGULATORY:** No data available. Contact Env. Dept.

Chemical Name	Wt.%	CERCLA RQ
Phenol	< 30	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Phenol	108-95-2
Benzyl Alcohol	100-51-6
1,2-cyclohexanediamine	694-83-7
Hexamethylenediamine	124-09-4
poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0

TSCA STATUS: Components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substances Inventory.**CALIFORNIA PROPOSITION 65:** Known to the State of California to cause cancer or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Act of 1986".

It has not been determined and cannot be ascertained that this product would not expose users to the listed chemicals at the very low level prescribed in the regulations. Therefore, it is the user's responsibility to determine if the percent of the hazardous / carcinogenic ingredients listed elsewhere in the SDS comply with State of California regulations.

CLEAN WATER ACT: This product does not contain any listed Priority Pollutants.**CANADA****WHMIS HAZARD SYMBOL AND CLASSIFICATION**



Toxic



Corrosive

R20/22: Harmful by inhalation and if swallowed.

R34: Causes burns.

R42/43: May cause sensitization by inhalation and skin contact.

S23: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WHMIS CLASS: Class D, Division 2, Subdivision B: Materials cause other toxic effects, toxic material.

DOMESTIC SUBSTANCE LIST (INVENTORY): Components included on inventory

16. OTHER INFORMATION

PREPARED BY: John A Kozak **Date Revised:** 02/28/2018

REVISION SUMMARY: This SDS replaces the 07/07/2015 SDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		H