

## SAFETY DATA SHEET

# SAUEREISEN

Date Prepared : 05/04/2015

SDS No : SCC-221A

## 221 Novolak Epoxy Expansion Joint Compound, Part A, Hardener

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 221 Novolak Epoxy Expansion Joint Compound, Part A, Hardener  
**PRODUCT DESCRIPTION:** Novolak Epoxy Expansion Joint Compound, Part A, Hardener  
**PRODUCT CODE:** 221PA  
**PRODUCT FORMULATION NAME:** 221 Novolak Epoxy Expansion Joint Compound, Part A, Hardener  
**CHEMICAL FAMILY:** Amines

**MANUFACTURER**

Sauereisen  
 160 Gamma Drive  
 Pittsburgh, PA 15238  
**Emergency Contact:** John Kozak  
**Emergency Phone:** (800)424-9300  
**Alternate Contact:** Don Schubert  
**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 (Outside US): 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Inhalation), Category 4  
 Eye Irritation, Category 2B  
 Respiratory Tract Irritation, Category 3  
 Respiratory Sensitization, Category 1B  
 Skin Irritation, Category 2  
 Acute Toxicity (Oral), Category 4

**GHS LABEL**

Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H320: Causes eye irritation.  
 H302: Harmful if swallowed.  
 H332: Harmful if inhaled.

**PRECAUTIONARY STATEMENTS****Prevention:**

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.  
 P264: Wash ... thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P270: Do not eat, drink or smoke when using this product.

**Response:**

- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312: Call a POISON CENTER/doctor/...if you feel unwell.  
 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.  
 P302+P352: IF ON SKIN: Wash with plenty of water/...  
 P321: Specific treatment (see ... on this label).  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P362: Take off contaminated clothing.  
 P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.  
 P330: Rinse mouth.

**Storage:**

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.

**Disposal:**

- P501: Dispose of contents/container in accordance with local/national regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	< 40	9046-10-0
2-piperazin-1-ylethylamine	< 30	140-31-8
4-nonylphenol, Branched	< 50	84852-15-3

**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:** If swallowed, do not induce vomiting. Give large quantities of water. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** If difficulty breathing, move to fresh at air once. Apply artificial respiration if breathing has stopped. Seek medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Causes pain, redness and tearing.

**SKIN:** Itching or burning will occur with repeated or prolonged contact. May exacerbate existing skin conditions.

**INGESTION:** Can result in irritation and corrosive action in the mouth, stomach tissue, and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

**INHALATION:** Causes sneezing and burning or itching in nose and throat.

**5. FIRE FIGHTING MEASURES****EXTINGUISHING MEDIA:**

Carbon dioxide, foam, dry chemicals, sand, earth, and steam.

**HAZARDOUS COMBUSTION PRODUCTS:** May generate ammonia and toxic nitrogen oxide gasses. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from firefighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated.

**EXPLOSION HAZARDS:** Dusts and aerosols at sufficient concentrations may exhibit explosive characteristics if ignited by static discharge or spark. Exercise care during dusting or misting operations such as grinding or drilling.

**FIRE FIGHTING PROCEDURES:** Firefighters subject to products of combustion should wear full protective clothing, including self-contained breathing apparatus.

**FIRE FIGHTING EQUIPMENT:** Toxic fumes will be evolved when this material is involved in a fire. Self-contained breathing apparatus should be available for fire fighters.

**FIRE EXPLOSION:** Containers may explode in heat of fire; cool containers with water.

**SENSITIVE TO STATIC DISCHARGE:** None

**SENSITIVITY TO IMPACT:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and carbon dioxide, nitrogen oxides, and/or ammonia.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid contact with material. Absorb spill with clay or diatomaceous earth and shovel into disposal container. Remove any surrounding contaminated soil. Wash paved areas with water, being certain that this diluted material is not flushed into storm drains or water supplies. Wear appropriate protective equipment. Observe environmental regulations and report spills as required to appropriate authorities.

**LARGE SPILL:** For large spills, dike and collect with absorbent material. Flushed cleaned areas with water being careful not to allow run-off to enter drains, sewers or streams. Observe Environmental regulations. Wear PPE - gloves, rubber boots, and safety glasses.

## 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.

**STORAGE:** Store in a cool, dry place.  
 Keep container closed when not in use.  
 Store away from direct heat and flame.  
 Keep away from food and drinking water.  
 Store out of direct sunlight.  
 DO NOT SMOKE where product is used or stored.  
 Store in a well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Breathing vapors must be avoided. Ventilation must be sufficient to control vapors.

### PERSONAL PROTECTIVE EQUIPMENT

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

**SKIN:** Impervious gloves, neoprene, or other suitable long sleeved and legged clothing. Launder clothing before reuse.

**RESPIRATORY:** No special requirements under ordinary conditions of use and with adequate ventilation. Self contained breathing apparatus recommended when used in small enclosed areas. Use NIOSH approved respirator with organic vapor

cartridge if airborne levels exceed PELs and in emergency situations ( e.g. a large spill). If the TLV of any component is exceeded use appropriate respiratory protection or ventilate in accordance with OSH Regulation 29 CFR Part 1910.

**WORK HYGIENIC PRACTICES:** Wash contact area thoroughly with soap and water. Remove contaminated clothing. Launder before reuse. Seek medical attention if erythema develops.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Ammonia

**ODOR THRESHOLD:** Not Available

**APPEARANCE:** Liquid

**COLOR:** Amber

**FLASH POINT AND METHOD:** (200°F) to (375°F)

**FLAMMABLE LIMITS:** 0 to 0

**VAPOR PRESSURE:** < 40

**VAPOR DENSITY:** > 40

**BOILING POINT:** > (390°F)

**SOLUBILITY IN WATER:** Moderate

**SPECIFIC GRAVITY:** 0.99

**(VOC):** 12

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under normal conditions of use and storage.

**CONDITIONS TO AVOID:** Avoid contact with oxidizers.

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

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

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**DERMAL LD<sub>50</sub>:** No data is available on the product itself.

**Notes:** Components:

Polyoxypropylenediamine LD50 (Rabbit): 2980 ml/kg

**ORAL LD<sub>50</sub>:** No data is available on the product itself.

**Notes:** Components:

Polyoxypropylenediamine: LD50 (Rat): 2,880 mg/kg

**INHALATION LC<sub>50</sub>:** No data is available on the product itself.

**Notes:** Components:

Polyoxypropylenediamine: LD50(Rabbit, 4 hours): >220 mg/L

**SERIOUS EYE DAMAGE/IRRITATION:** Eye, Skin and Inhalation Irritant.

**RESPIRATORY OR SKIN SENSITISATION:** Skin and Respiratory sensitizer.

**GERM CELL MUTAGENICITY:** No Data Available

### CARCINOGENICITY

**NOTES:** Does not contain any substances greater than 0.1% listed by IARC (Internationa 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)

**REPRODUCTIVE TOXICITY:** No Data Available

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** No data available. Contact Env. Dept.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

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

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Caustic Alkali Liquid, N.O.S. (Copolymer Silicate )

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1719

**PACKING GROUP:** III

**LABEL:** Corrosive

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Caustic Alkali Liquid, N.O.S. (Copolymer Silicate )

**UN NUMBER:** UN1719

**HAZARD CLASS:** 8

**PACKING GROUP:** III

**LABEL:** Corrosive.

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Caustic Alkali Liquid, N.O.S. (Copolymer Silicate )

**UN/NA NUMBER:** UN1719

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**LABEL:** Corrosive

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Caustic Alkali Liquid, N.O.S. (Copolymer Silicate )

**UN/NA NUMBER:** UN1719

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**LABEL:** Corrosive

**CANADA TRANSPORT OF DANGEROUS GOODS**

**SHIPPING NAME:** Caustic Alkali Liquid, N.O.S. (Copolymer Silicate )

**UN/NA NUMBER:** UN1719

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**LABEL:** Corrosive

**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**



Corrosive

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
 R36/37/38: Irritating to eyes, respiratory system and skin.  
 R43: May cause sensitisation by skin contact.  
 S24/25: Avoid contact with skin and eyes.  
 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.  
 S38: In case of insufficient ventilation, wear suitable respiratory equipment.  
 S46: If swallowed, seek medical advice immediately and show this container or label.

### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Acute. Chronic. Irritant.

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** There are no listed chemicals above detection limits in this compound.

**TITLE III NOTES:** None above detection limits.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0
2-piperazin-1-ylethylamine	140-31-8
4-nonylphenol, Branched	84852-15-3

**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 and 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.

### CANADA

#### WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic



Corrosive

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
 R36/37/38: Irritating to eyes, respiratory system and skin.  
 R43: May cause sensitisation by skin contact.  
 S24/25: Avoid contact with skin and eyes.  
 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.  
 S38: In case of insufficient ventilation, wear suitable respiratory equipment.  
 S46: If swallowed, seek medical advice immediately and show this container or label.

**WHMIS CLASS:** Class D, Division 2, Subdivision A: Materials cause other toxic effects, very toxic material.  
 Class D, Division 2, Subdivision B: Materials cause other toxic effects, toxic material.  
 Class E, Corrosive.

**DOMESTIC SUBSTANCE LIST (INVENTORY):** Components included on inventory**16. OTHER INFORMATION****PREPARED BY:** John A Kozak    **Date Prepared:** 05/04/2015**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</b>