

# SAFETY DATA SHEET

# SAUEREISEN

Date Prepared : 06/10/2016

SDS No : SCC-208A

RestoKrete No. 208, Part A, Hardener

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** RestoKrete No. 208, Part A, Hardener**PRODUCT CODE:** 208LA**CHEMICAL FAMILY:** Amine mixture**MANUFACTURER**

Sauereisen

160 Gamma Drive

Pittsburgh, PA 15238

**Emergency Contact:** John Kozak**Emergency Phone:** (800)424-9300**Customer Service:** 412 963-0303**E-Mail:** jakozak@sauereisen.com**24 HR. EMERGENCY TELEPHONE NUMBERS****Poison Control Center (Medical) :** (877) 800-5553**CANUTEC (Canadian Transportation) :** (613) 996-6666**CHEMTREC (US Transportation) :** (800) 424-9300

## 2. HAZARDS IDENTIFICATION

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

Serious Eye Damage, Category 2A  
 Respiratory Tract Irritation, Category 3  
 Respiratory Sensitization, Category 1B  
 Skin Sensitization, Category 1B  
 Acute Toxicity (Dermal), Category 5  
 Acute Toxicity (Inhalation), Category 5  
 Acute Toxicity (Oral), Category 5  
 Skin Irritation, Category 2

**GHS LABEL**Exclamation  
markHealth  
hazard**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H317: May cause an allergic skin reaction.  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H333: May be harmful if inhaled.  
 H313: May be harmful in contact with skin.  
 H303: May be harmful if swallowed.

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

P264: Wash ... thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P285: In case of inadequate ventilation wear respiratory protection.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P271: Use only outdoors or in a well-ventilated area.

**Response:**

P312: Call a POISON CENTER/doctor/...if you feel unwell.  
 P302+P352: IF ON SKIN: Wash with plenty of water/...  
 P321: Specific treatment (see ... on this label).  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 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.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...  
 P362: Take off contaminated clothing.

**Storage:**

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

**Disposal:**

P501: Dispose of contents/container to ...

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
3,6,9-triazaundecamethylenediamine	< 5	112-57-2
poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	< 5	9046-10-0
Mannich Base Adduct	< 70	

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

**INGESTION:** If swallowed, seek Medical attention. Induce vomiting as directed by medical personnel. Do not give an unconscious person anything by mouth or induce vomiting.

**INHALATION:** If difficulty breathing, move to fresh air once. For acute overexposure, give oxygen if breathing is difficult. Apply artificial respiration if breathing has stopped. Keep patient warm and at rest. Seek immediate medical attention.

**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.

**CHRONIC EFFECTS:** Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response. Ingestion may cause bleeding of the gastrointestinal tract and the vomiting of blood.

**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:** Sudden reaction and fire may result if this product is mixed with an oxidizing agent. Cool fire exposed containers with water.

**SENSITIVE TO STATIC DISCHARGE:** None

**SENSITIVITY TO IMPACT:** None

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Stop leak if possible. Ventilate space involved. Absorb, sweep up and place in container for disposal. Reduce dust spreading with water spray. Shut off or remove ignition sources. Prevent waterway contamination. Consult a regulatory specialist to determine appropriate reporting requirements, for assistance in waste characterization and other requirements .

**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:** Splashproof, chemical resistant safety goggles or face shield. Eye bath nearby. 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

**APPEARANCE:** Liquid

**COLOR:** Amber

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

**FLAMMABLE LIMITS:** 0 to 0

**VAPOR PRESSURE:** < 26.667

**VAPOR DENSITY:** > 26.667

**BOILING POINT:** >

**SPECIFIC GRAVITY:** 1 to 1.1

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** No

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

**CONDITIONS TO AVOID:** Avoid acids, alkalines and oxidizers. Violent exothermic reaction occurs when mixed with acids.

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

**INCOMPATIBLE MATERIALS:** (Materials to Avoid) oxidizing agents, strong alkalies (bases), and strong acids.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

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

**Notes:** Components:

Mannich Base Adduct LD50 (Rabbit): >2000 mg/kg

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

### 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)

**IRRITATION:** Eye, Skin and Inhalation Irritant.

**SENSITIZATION:** Skin and Respiratory sensitizer.

**REPRODUCTIVE EFFECTS:** No Data Available

**TERATOGENIC EFFECTS:** No Data Available

**MUTAGENICITY:** 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:** Not Regulated Paint & related material, compounds.

**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated

#### 15. REGULATORY INFORMATION

##### UNITED STATES

##### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

R36/37/38: Irritating to eyes, respiratory system and skin.

R41: Risk of serious damage to eyes.

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)

**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
3,6,9-triazaundecamethylenediamine	112-57-2
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 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

R36/37/38: Irritating to eyes, respiratory system and skin.

R41: Risk of serious damage to eyes.

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 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 Prepared:** 06/10/2016

### HMIS RATING

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