

SAFETY DATA SHEET

SAUEREISEN

118 Concrete Epoxy Novolak, Part B, Resin

Date Prepared : 04/29/2015

SDS No : SCC-118B

Date Revised : 02/28/2018

Revision No : 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 118 Concrete Epoxy Novolak, Part B, Resin
PRODUCT DESCRIPTION: Concrete Epoxy Novolak, Part B, Resin
PRODUCT CODE: 118LB
PRODUCT FORMULATION NAME: 118 Concrete Epoxy Novolak, Part B, Resin
CHEMICAL FAMILY: Epoxy Resin Compound

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:**

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

GHS LABEL

Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H315: Causes skin irritation.
 H333: May be harmful if inhaled.
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H302: Harmful if swallowed.
 H312: Harmful in contact with skin.
 H320: Causes eye irritation.

PRECAUTIONARY STATEMENTS**Prevention:**

P264: Wash ... thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.

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.

P271: Use only outdoors or in a well-ventilated area.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

P330: Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of water/...

P312: Call a POISON CENTER/doctor/...if you feel unwell.

P321: Specific treatment (see ... on this label).

P362: Take off contaminated clothing.

P332+P313: If skin irritation 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/...

Storage:

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

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to ...

POTENTIAL HEALTH EFFECTS

EYES: Contact causes eye irritation.

SKIN: Moderate irritation and dryness. Prolonged or repeated exposure may result in sensitization.

INHALATION: Headache, nausea, and irritation to the nose and throat. Prolonged or repeated exposure may cause asthma.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
phenol, polymer with 1,2-cyclohexanediamine, formaldehyde and 1,6-hexanediamine	< 43	68479-80-1
phenol, polymer with formaldehyde, glycidyl ether	< 60	28064-14-4
Oxirane, (chloromethyl)-	< 25	106-89-8

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 - in general, no treatment is necessary unless large quantities of product are ingested, however, seek medical attention.

INHALATION: If difficulty breathing, move to fresh at 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

EYES: Can cause redness, tearing, Irritation, inflammation and corneal opacity.

SKIN: Moderate irritation and dryness. Prolonged or repeated exposure may result in sensitization.

INHALATION: Headache, nausea, and irritation to nose and throat. Prolonged or repeated exposure may cause asthma.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, and dry chemicals.

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may be toxic.

EXPLOSION HAZARDS: Not sensitive to mechanical impact or static discharge

FIRE FIGHTING PROCEDURES: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

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: None

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic, unknown organic compounds, carbon dioxide and carbon monoxide during combustion.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with non-combustible, granular material (e.g. sand) Remove by mechanical means and place material in covered container temporarily for later disposal.

LARGE SPILL: Evacuate area. Turn off ignition sources. Stop leak, if possible without risk. Wear self-contained breathing apparatus and full protective clothing during clean up. Dike spill and pump into salvage tank. Absorb remaining liquid with sand or other non-combustible, granular material. Remove by mechanical means.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin and clothing.

For Industrial Use only!

Do not take internally.

May cause irritation.

Wear chemical splash goggles, gloves and protective clothing.

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.

Always mix well before using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
phenol, polymer with 1,2-cyclohexanediamine, formaldehyde and 1,6-hexanediamine	OSHA PEL	STEL	2	
	ACGIH TLV	TWA	1	
Oxirane, (chloromethyl)-	OSHA PEL	TWA	5	19
	ACGIH TLV	TWA	0.5	1.9

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Rubber framed or cup type goggles.

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

RESPIRATORY: Use organic vapor cartridges in respirators. If TLV of any component is exceeded use appropriate respiratory protection or ventilate in accordance with OSHA Regulation 29 CFR Part 1910.V.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Safety shower and eyewash station should be within direct access. Keep containers closed.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild

ODOR THRESHOLD: Not Available

APPEARANCE: Viscous liquid

COLOR: Various

pH: Not Established

PERCENT VOLATILE: 25

FLASH POINT AND METHOD: Closed Cup

FLAMMABLE LIMITS: 0 to 0

AUTOIGNITION TEMPERATURE: Not Established

VAPOR PRESSURE: 42.667 mm Hg at (77°F)

VAPOR DENSITY: 42.667

MELTING POINT: Not Established

SPECIFIC GRAVITY: 1

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under normal conditions of use and storage.

CONDITIONS TO AVOID: Avoid heat, open flame, contact with incompatible materials, contaminants and moisture.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, ketones, acids and various complex hydrocarbons may be formed during combustion.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidants, strong Lewis acids, strong mineral acids and organic bases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: No data is available on the product itself.

Notes: Components:

Epichlorhydrin LD50 (mouse): 250 mg/kg

ORAL LD₅₀: No data is available on the product itself.

Notes: Components:

Epichlorhydrin LD50 (rat): 90 mg/kg

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

RESPIRATORY OR SKIN SENSITISATION: Respiratory Sensitizer.

GERM CELL MUTAGENICITY: Component Epichlorhydrin is listed as a possible human mutagen.

REPRODUCTIVE TOXICITY: This product contains Epichlorhydrin which may damage fertility or harm the unborn child.

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. Incineration is the preferred method.

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: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse. Do not heat or cut empty container with electric or gas torch. Gases may be highly toxic.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

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.

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

S3/9/49: Keep only in the original container in a cool, well-ventilated place.

S20/21: When using do not eat, drink or smoke.

S13: Keep away from food, drink and animal feedingstuffs.

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.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Chronic. Toxic.

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

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

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Oxirane, (chloromethyl)-	< 25	106-89-8

TITLE III NOTES: None above detection limits.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Oxirane, (chloromethyl)-	< 25	100

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
phenol, polymer with 1,2-cyclohexanediamine, formaldehyde and 1,6-hexanediamine	68479-80-1
phenol, polymer with formaldehyde, glycidyl ether	28064-14-4
Oxirane, (chloromethyl)-	106-89-8

TSCA STATUS: Components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Oxirane, (chloromethyl)-	< 25	106-89-8

REGULATIONS

STATE REGULATIONS: California prop. 65: This product contains the following ingredients for which the State of California has found to

cause cancer, birth defects or other reproductive harm, which would require a warning under the statute:

Epichlorohyrin

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Epichlorohyrin

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Epichlorohyrin

Pennsylvania RTK: Epichlorohyrin

Florida: Epichlorohyrin

Minnesota: Epichlorohyrin

Massachusetts RTK: Epichlorohyrin

New Jersey: Epichlorohyrin

TSCA 8(b) inventory: Epichlorohyrin

TSCA 12(b) one time export: Epichlorohyrin

TSCA 12(b) annual export notification: Epichlorohyrin

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.

Chemical Name	Wt.%	Listed
Oxirane, (chloromethyl)-	< 25	<ul style="list-style-type: none"> ● Cancer ● Male Reproductive

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

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

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

S20/21: When using do not eat, drink or smoke.

S3/9/49: Keep only in the original container in a cool, well-ventilated place.

S13: Keep away from food, drink and animal feedingstuffs.

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

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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

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 04/29/2015 SDS. Revised: **Section 9:** (VOC).

HMIS RATING

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