

## SAFETY DATA SHEET

# SAUEREISEN

Date Prepared : 05/04/2015

SDS No : SCC-230A

## 230 Arctikure, Part A, Hardener

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 230 Arctikure, Part A, Hardener  
**PRODUCT DESCRIPTION:** Arctikure, Part A, Hardener  
**PRODUCT CODE:** 230RA  
**PRODUCT FORMULATION NAME:** 230 Arctikure, Part A, Hardener  
**CHEMICAL FAMILY:** Aliphatic Amine

**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:**

Skin Corrosion, Category 1C  
 Serious Eye Damage, Category 1  
 Respiratory Tract Irritation, Category 3  
 Respiratory Sensitization, Category 1B  
 Skin Sensitization, Category 1B  
 Acute Toxicity (Oral), Category 4  
 Acute Toxicity (Dermal), Category 5

**Physical:**

Flammable Liquids, Category 4

**GHS LABEL**

Corrosion

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

H333: May be harmful if inhaled.  
 H318: Causes serious eye damage.  
 H314: Causes severe skin burns and eye damage.  
 H317: May cause an allergic skin reaction.  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H227: Combustible liquid.  
 H302: Harmful if swallowed.

H313: May be harmful in contact with skin.

## 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.

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.

P270: Do not eat, drink or smoke when using this product.

### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P315: Get immediate medical advice/attention.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing.

P370+P378: In case of fire: Use carbon dioxide, foam, dry chemicals, or water spray to extinguish.

### Storage:

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

P405: Store locked up.

P404: Store in a closed container.

### Disposal:

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

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phenol	< 10	108-95-2
1,3-bis(aminomethyl)benzene	< 25	1477-55-0
phenol, 4-(1,1-dimethylethyl)-	< 25	98-54-4
trimethylhexamethylenediamines	< 15	25620-58-0

## 4. FIRST AID MEASURES

**EYES:** Remove contact lenses if present. Hold eyelids apart, initiate and maintain gentle and continuous irrigation until patient receives medical care. If prompt medical care is not available, continue irrigation for one hour. Rinse under eyelids with plenty of water for at least 20 minutes.

**SKIN:** Immediately remove contaminated clothing and flush skin with water for at least 20 minutes. Cover any wound with a sterile dressing. Seek immediate medical attention.

**INGESTION:** Do not induce vomiting - vomiting will cause further damage to the throat. Dilute by giving water or milk to drink if victim is conscious. Seek immediate medical attention.

**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

**EYES:** Product vapor in low concentration can cause lacrimation, conjunctivitis and corneal Edema when absorbed into the eye

tissue. Corneal edema may give rise to a perception of a blue haze or fog around lights. The effect is transient.

**SKIN:** Severe skin irritant, and sensitizer. Contact causes severe irritation and pain, may cause burns and permanent injury.

**INGESTION:** Ingestion may cause bleeding of the gastrointestinal tract and the vomiting of blood.

**INHALATION:** Inhalation of vapors may cause irritation, coughing or chest pain.

**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:**

Repeated and/or prolonged contact with the skin may cause allergic reaction or sensitization. Repeated and/or prolonged exposures may result in adverse respiratory effects (such as cough, tightness of chest, or shortness of breath); adverse skin effects (such as defatting, rash, irritation or corrosion); adverse eye effects (such as conjunctivitis or corneal damage).

Kidney , liver, skin and eye disorders are generally aggravated by exposure.

**NOTES TO PHYSICIAN:** Further treatment may be necessary. Contact local poison control center. Rinse mouth.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Combustible Liquid

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, and foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustion products may be toxic.

**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:** 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.

**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. 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.

**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.

Do not store in reactive metal containers.

Do not store near acids.

Always mix well before using.

**SPECIAL SENSITIVITY:** DO NOT USE sodium nitrate or other nitrosating agents in formulations containing this product.

Suspected carcinogen nitrosamines could be formed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Phenol	OSHA PEL	TWA	5	
	ACGIH TLV	TWA	5	
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
1,3-bis(aminomethyl)benzene	OSHA PEL	TWA		0.1
	ACGIH TLV	TWA		0.1

**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:** 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:** 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 phenolic

**APPEARANCE:** Liquid

**COLOR:** Amber

**pH:** Alkaline.

**PERCENT VOLATILE:** 0

**FLASH POINT AND METHOD:** (199°F)

**FLAMMABLE LIMITS:** 0 to 0

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Not Established

**BOILING POINT:** (446°F)

**SPECIFIC GRAVITY:** 1 to 1.1

**(VOC):** 15

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** No

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

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

**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>:** > 2000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** 1750 mg/kg (rat)

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

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

**GERM CELL MUTAGENICITY:** No Data Available

**REPRODUCTIVE TOXICITY:** No Data Available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data available. Contact Env. Dept.

**BIOACCUMULATION/ACCUMULATION:** No Data available on the product itself.

Components: Nonylphenol, moderate bioaccumulation potential.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Material should be disposed of as hazardous waste in accordance with Federal, state and local environmental regulations. Dispose of containers with any amount of liquid material as hazardous waste. Part B mixed containers can be considered as non-hazardous provided all residual material is cured solid. Part A and part D containers can be washed out with a small amount of laquer thinner. The residual material should be collected in one large container and disposed of as hazardous waste. The waste material can also be mixed with an epoxy resin and cured to a solid state for disposal as non-hazardous waste. Consult Sauereisen for the appropriate amount of epoxy resin to add to a known amount of part A (epoxy resin hardener).

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

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Amines, Liquid, Corrosive, N.O.S. (Nonyl Phenol/Amino terminated Polyether)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN2735

**PACKING GROUP:** III

**LABEL:** Corrosive

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Amines, Liquid, Corrosive, N.O.S. (Nonyl Phenol/Amino terminated Polyether)

**UN NUMBER:** UN2735

**HAZARD CLASS:** 8**PACKING GROUP:** III**LABEL:** Corrosive.**AIR (ICAO/IATA)****SHIPPING NAME:** Amines, Liquid, Corrosive, N.O.S. (Nonyl Phenol/Amino terminated Polyether)**UN/NA NUMBER:** UN2735**PRIMARY HAZARD CLASS/DIVISION:** 8**PACKING GROUP:** III**VESSEL (IMO/IMDG)****SHIPPING NAME:** Amines, Liquid, Corrosive, N.O.S. (Nonyl Phenol/Amino terminated Polyether)**UN/NA NUMBER:** UN2735**PRIMARY HAZARD CLASS/DIVISION:** 8**PACKING GROUP:** III**LABEL:** Corrosive**CANADA TRANSPORT OF DANGEROUS GOODS****SHIPPING NAME:** Amines, Liquid, Corrosive, N.O.S. (Nonyl Phenol/Amino terminated Polyether)**UN/NA NUMBER:** UN2735**PRIMARY HAZARD CLASS/DIVISION:** 8**PACKING GROUP:** III**LABEL:** Corrosive**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive



Toxic

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

S24/25: Avoid contact with skin and eyes.

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:** Acute. Chronic. Irritant. Toxic.**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **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
Phenol	< 10	108-95-2

**TITLE III NOTES:** None above detection limits.**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Phenol	< 10	1,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Phenol	108-95-2
1,3-bis(aminomethyl)benzene	1477-55-0
phenol, 4-(1,1-dimethylethyl)-	98-54-4
trimethylhexamethylenediamines	25620-58-0

**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.

S24/25: Avoid contact with skin and eyes.

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

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

**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):** Data not available.

## 16. OTHER INFORMATION

**PREPARED BY:** John A Kozak      **Date Prepared:** 05/04/2015

### HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	H