

SAFETY DATA SHEET



230 Arctikure, Part A, Hardener

Date Issued : 05/04/2015

SDS No : SCC-230A

Date Revised : 06/17/2020

Revision No : 1

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)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 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)				
Chemical Name	EXPOSURE LIMITS			
	Type	ppm	mg/m ³	
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 LD₅₀: > 2000 mg/kg (rabbit)

ORAL LD₅₀: 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.

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 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.

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 Revised:** 06/17/2020

REVISION SUMMARY: This SDS replaces the 05/04/2015 SDS.

HMIS RATING

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