

1.) Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

Albipox 1000

Company/undertaking identification

Address

hanse chemie USA Inc
32 Palmetto Bay Road, Bldg. D Suite 8
Hilton Head Island, SC 29928

Telephone no. (843) 842 97 80

Fax no. (843)842 97 14

Emergency telephone

CHEMTREC 1- 800- 424-9300 (24 hours a day)

2.) Hazards identification

Immediate hazards

General

WARNING

May cause allergic skin reaction.

May cause skin and eye irritation.

Potential environmental effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects

Eye

May cause eye irritation.

Skin

May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

May cause skin irritation.

Inhalation

No other information is currently known.

Ingestion

No hazard in normal industrial use.

Cancer

None of the components present in this material at concentrations equal or greater than 0.1% is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

3.) Composition / information on ingredients

Chemical characterization

Liquid rubber modified epoxy resin

Hazardous ingredients

REACTION PRODUCT:BISPHENOL A-(EPICHLORHYDRIN),

EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700)

CAS no. 25068-38-6

Concentration > 50 < 70 %-b.w.

2-Propenenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin

CAS no. 68610-41-3
Concentration > 30 < 50 %-b.w.

4.) First aid measures

General information

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In case of persisting adverse effects, consult a physician.

After skin contact

Remove with a cloth or paper; Wash off with soap and water. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye treatment by an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor.

5.) Firefighting measures

Suitable extinguishing media

Foam; Carbon dioxide; Dry chemical extinguisher

Extinguishing media that must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

In case of fires, hazardous combustion gases are formed

Carbon dioxide (CO₂)

Carbon monoxide (CO)

Nitrogen oxides (NO_x)

Special protective equipment for firefighting

As in any fire, wear self-contained breathing apparatus pressure - demand, MSHA/ NIOSH (approved or equivalent) and full protective gear.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material (e.g., sand, diatomaceous earth, universal binder).

7.) Handling and storage

Handling

Advice on safe handling

Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary).

Storage

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Hints on storage assembly

Do not store together with:

Amines
Bases
Alcohols
Mercaptans
Lewis acids

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

8.) Exposure controls / personal protection**Exposure limit values**

NONE

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respirations protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hand protection

Glove permeation data does not exist for this material. The following glove(s) should be used for splash protection only.

Appropriate Material PVC

Eye protection

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin protection

Chemistry-usual work clothes.

General protective and hygiene measures

Observe the usual precautions when handling chemicals. Do not eat, drink or smoke during work time. After worktime and during work intervals the affected skin areas must be thoroughly cleaned. Avoid contact with eyes and skin. Keep away from food, drink and animal feeding stuffs.

9.) Physical and chemical properties**General information**

Form	resin; Viscous
Color	yellowish
Odor	characteristic

Important health, safety and environmental information**Changes in physical state**

Type	Boiling point
Value	not determined
Type	Melting point
Value	not determined

Flash point

Value	>	302	°F
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Vapor pressure

Value	<	1	mbar
Reference temperature	68	°F	

Density			
Value		9.01	lbs/gallon
Reference temperature	68	°F	
Viscosity			
Type	dynamic		
Value		200	Pa*s
Reference temperature	77	°F	
Solubility in water			
Remarks	insoluble		

10.) Stability and reactivity

Conditions to avoid

none, if handled according to order

Materials to avoid

Amines; Mercaptans; Lewis acid; Bases; Alcohols

Hazardous decomposition products

None, if handled according to order

Thermal decomposition

Remarks No decomposition if used as prescribed.

Other information

Contact with incompatible substances: Polymerisation hazard.

11.) Toxicological information

Acute toxicity

Acute oral toxicity

LD50	>	10000	mg/kg
Species	rat		
Reference substance	Bisphenol-A-(epichlorhydrin)		
Source	Manufacturer		

Experience in practice

Irritating effects on the skin and mucous membrane.
Possibility of sensitization through skin contact.
Product specific toxicological data are not available.

12.) Ecological information

Other adverse effects

Do not allow to enter soil, waterways or waste water canal.
Is not allowed to be released into biological sewage treatment plants.
Ecological data are not available.

13.) Disposal considerations

Product

Dispose in accordance with federal, state and local regulations.

14.) Transport information

US DOT

Class	9
Packaging group	III
Label	9
UN/NA number	UN3082
Technical name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	REACTION PRODUCT:BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) 2-Propenenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin

Marine transport IMDG

Class	9
Packaging group	III
UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	REACTION PRODUCT:BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) 2-Propenenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin
EmS	F-A,S-F
MARPOL	-
Label	9

Air transport ICAO/IATA

Class	9
Packaging group	III
UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	REACTION PRODUCT:BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) 2-Propenenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin
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15.) Regulatory information

Regulations

US Federal Regulations

TSCA (Toxic Substances Control Act)

All of the components of this product are listed on the TSCA inventory.

Clean Water Act (CWA)

None of the ingredients is listed.

SARA Section 302 (RQ):

None of the ingredients is listed.

SARA HAZARD CATEGORY (Section 311/312)

Acute Health Hazards

SARA Section 313

None of the ingredients is listed.

HAPS (Hazardous Air Pollutants) according to Clean Air Act

None of the ingredients is listed.

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Following ingredients are Hazardous by definition of Hazard Communication Standard:

CAS-No. 25068-38-6; 68610-41-3

State Regulations

New Jersey Worker and Community Right to Know Act.

None of the ingredients is listed.

California Proposition 65.

None of the ingredients is listed.

Pennsylvania HAZARDOUS SUBSTANCE LIST

None of the ingredients is listed.

Other international listings

IARC

None of the ingredients is listed in group 1, 2A or 2B.

Volatile organic compounds (VOC)

pound/gallon 0

16.) Other information

HMIS Classification

Health	1
Flammability :	0
Reactivity	1
PPE	G

NFPA Rating

Health	1
Fire Hazard	0
Reactivity	1

Other information

- Abbreviations:
- ACGIH American Conference of Governmental Hygienics
- CAS Chemical Abstracts Service
- HAPS Hazardous Air Pollutants
- HMIS Hazardous Material Identification System
- IARC International Agency for Research on Cancer
- IDLH Immediate Dangerous to Life and Health
- LEL Lower Explosion Limit
- NTP National Toxicology Program
- OEL Occupational Exposure Limit
- OSHA Occupational Safety and Health Administration
- PEL Permissible Exposure Limit
- PPE Personal Protection Equipment
- SARA Superfund Amendments and Reauthorization Act
- STEL Short-Term Exposure Level (15 minutes)
- TWA Time-Weighted Average (8 hours)
- UEL Upper Explosion Limit
- WEEL Workplace Environmental Exposure Level

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.