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-Propanenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin
Trade name: Albipox 1000

Material Safety Data Sheet

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 (NOx)

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
- Boiling point: not determined
- Melting point: not determined

Flash point
- Value: > 302 °F

Vapor pressure
- Value: 1 mbar
- Reference temperature: 68 °F
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-Propenitrile, 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-Propenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin
EmS
MARPOL F-A,S-F
Label -

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-Propenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin
Label 9

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.

Following ingredients are Hazardous by definition of Hazard Communication Standard:
CAS-No. 25068-38-6; 66610-41-3
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.