



Safety Data Sheet

ALKARES AR 3000 HB- A
according to federal register Vol 77 No 58
Date of issue: 15/06/2023

SECTION 1: Identification

1.1 Identification

Product Form: Mixture
Product Name: AR 3000 HB-A
Product Code: EP 787 HB-A
Other means of identification: EP 787 HB-A

1.2 Relevant Identifies Uses of The Substance or Mixture and Uses advised against.

No additional information available

1.3 Supplier

Alkares Polymers Inc
1645 Sismet Rd Unit 20
Mississauga. ON. L4W1Z3
1 905 910 0337

1.4 Emergency Telephone Number CHEMTREC: 1 800 424 9300

SECTION 2: Hazard(s) Identification

2.1 Classification of substance or mixture

GHS-US Classifications

Skin corrosion/irritation H314
Category 1A
Skin sensitization category 1 H317 May cause an allergic reaction.

Full text of H statement see section 16.

2.2 GHS Label elements, including precautionary statements.

GHS- US Labeling

Hazard Pictogram (GHS- US) :





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Signal word (GHS-US): Danger Corrosive

Contains:	3-bis(amidomethyl)benzene; 1-Piperazine ethanamine	
Hazard Statements (GHS-US):	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
Precautionary Statements:	P260	Do not breathe mist or dust
	P261	Avoid breathing vapours.
	P264	Wash hands thoroughly after handling .
	P272	Contaminated work clothes must not be allowed out of workspace.
	P280	Wear protective clothing.
	P302+P352	If on skin wash with plenty of soap
	P321	Specific treatment (see a doctor if symptoms do not go away
	P332+P313	If skin irritation occurs get medical advice/attention.
	P333+P313	If skin irritation or rash occurs see medical advice/attention)
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P363	Wash contaminated clothing before reuse.
P405	Store locked up.	
P501	Dispose of contents/container according to local regulations.	

2.3: Other Hazards which do not result in classification

No additional information available

2.4: Unknown Acute Toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1 : Substances

Not applicable

3.2: Mixture

Name	Product Identifier	%	GHS-US Classification
Phenol, 4,4` (1-methylethylidene) Bis A Polymer with chloroethyl oxirane	CAS #:25068-38-6	70-80	Skin irritation 2 H315 Eye irritation 2 H319 Skin sensitivity 1 H319 Aquatic chronic 1 H411
Alkyl (C12-14) Glycidyl Ether	CAS #: 68609-97-2	10-20	Skin irritation 2 H315 Skin sensitivity 1 H317

SECTION 4: First Aid Measures

4.1: Description of first aid measures

First Aid Measures General:	Get medical advice/attention if you feel unwell.
First Aid Measures after inhalation:	When symptoms occur go to open air and ventilate suspected area. Remove person to fresh air and keep comfortable for breathing. Call poison center or doctor/physician.
First Aid Measure after skin contact:	When symptoms occur rinse immediately with plenty of water, remove affected clothing and wash skin with mild soap and water, followed by warm water rinse.
First Aid Measure after eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First Aid Measure after ingestion:	DO NOT induce vomiting.

4.2: Most Important Symptoms and Effects (Acute and Delayed)

Symptoms/Injuries:	Irritation of the respiratory tract, Irritation of the nasal mucous membranes. Irritation of eye tissue. Skin rash/inflammation.
Symptoms/Injuries after inhalation:	May cause irritation or asthma like symptoms. May cause respiratory irritation.



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Symptoms/Injuries after skin contact: May cause skin irritation.

Symptoms/Injuries after eye contact: May cause eye irritation.

4.3: Immediate medical attention and special treatment if necessary

Treat Symptomatically

SECTION 5: Fire Fighting Measures

5.1: Suitable and unsuitable extinguishing media

Suitable Extinguishing Media: Alcohol resistant foam, water, water fog, CO₂, dry chemical, dry sand, limestone powder.

5.2: Specific Hazards Arising from the Chemical

Fire Hazard: No Data available on direct fire hazard

Reactivity: Polymerizes on exposure to some compounds e.g. amines, sulphurated compounds and (some) acids. Release of heat.

5.3: Special Protective Equipment and Precautions for Fire Fighters

Firefighting instructions: Fight fire with normal precautions and from a safe distance.

SECTION 6: Accidental Release Measures

6.1: Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Absorb spillage to prevent material damage.

6.1.1: For Non-Emergency Personnel

No additional information available

6.1.2: For Emergency Responders

No Additional information available

6.2: Environmental Precautions

Prevent entry to sewers and public waters.

6.3: Methods and Material for containment and Clean Up

For Containment:	Collect spillage, contain released product, dam up released spill.
Methods for cleaning up:	Absorb spillage to prevent material damage. Cover the solid spill with dry sand/earth/vermiculite soda ash or powdered limestone.
Other Information:	Dispose in a safe manner according to local rules and regulations.

6.4: Reference to other sections

No additional information available

SECTION 7: Handling and Storage

7.1: Precautions for safe handling

Precautions for safe handling:	Wash hands and other areas with mild soap and water before eating, drinking, smoking and when leaving work. Wear personal protective equipment.
Hygiene Measures:	Do not eat, drink, or smoke while handling this product.

7.2: Conditions for safe storage including any incompatibilities

Storage conditions:	Keep container closed when not in use. keep only in original containers, keep in a dry place. Store in closed container.
Storage Area:	Keep container in well ventilated space.



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SECTION 8 : Exposure Controls/Personal Protection

8.1 : Control Parameters

Phenol 4, 4 –(1-methylethylidene) bis A, Polymer with (chloromethyl) Oxirane) 25068-38-6

Not Applicable

Alkyl (C12-C14) Glycyl Ether 68609-97-2

Not Applicable

8.2: Appropriate Engineering Controls

Appropriate Engineering Controls: Ensure good ventilation of workspace.

8.3: Individual Protection Measures/Personal Protective Equipment

Personal Protective Equipment: Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and before leaving work.

Hand Protection: Wear Gloves

Eye Protection: Chemical goggles or safety glasses

Skin and body protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation wear suitable respirators.

SECTION 9: Physical and Chemical Properties

9.1: Information on basic physical and chemical properties

Physical State: Liquid

Colour: Translucent cloudy liquid

Odour: Mild Epoxy Odour

Boiling Point: 428 Fahrenheit

Flash Point: 302 Fahrenheit



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Specific gravity/density: 9.5

SECTION 10: Stability and Reactivity

10.1 Reactivity: Polymerizes on exposure with some compounds e.g. Amines, Sulphurated compounds and some Acids: Release of heat.

10.2: Chemical Stability: Stable under normal conditions

10.3: Possibility of Hazardous reaction: No additional information available

10.4: Conditions to avoid: Refer to section 10 on incompatible materials

10.5: Incompatible Materials: Oxidizing agents

10.6: Hazardous Decomposition Product : Carbon dioxide, Carbon monoxide, Fume

SECTION 11 : Toxicological Information

11.1 : Information on Toxicological Effects

Acute Toxicity : Not classified

Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane (25068-38-6)

LD 50 Oral Rat: > 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))

LD 50 Dermal Rat: > 2000 mg/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)

Skin corrosion/irritation : Causes skin irritation

Serious eye damage/irritation: No available information

Respiratory and skin sensitization: May cause an allergic reaction

Germ cell mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicity: Not Classified

Specific organ target Toxicity, Not Classified

Aspiration Hazard: Not Classified

Likely routes of exposure: Dermal, Ingestion, Inhalation, Skin and Eye contact

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Symptoms/Injuries: Irritation to the respiratory tract, Irritation to the nasal mucous membrane, Irritation of eye tissue and Skin rash/inflammation.

Symptoms/Injuries after inhalation: May cause irritation or asthma like symptoms.

Symptoms/irritation after skin contact: May cause skin irritation.

Symptoms/irritation after eye contact: May cause eye irritation.

SECTION 12: Ecological Information

12.1: Toxicity

EP 787 HB-A:

LC 50 Fish 1: 3mg/kg

(Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane) (25068-38-6)

LC 50 Fish 1: 2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)

EC 50 Daphnia 1: 1.1 - 2.8 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

ERC 50 (algae): > 11 mg/l (EPA 660/3 - 75/009, 72 h, Scenedesmus sp., Static system, Fresh water, Experimental value)

12.2 Persistence and Degradability

(Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane) (25068-38-6)

Persistence and Degradability: Not readily biodegradable in water

12.3: Bio accumulative Potential

(Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane) (25068-38-6)

BCF other aquatic organisms 1: 31 (Estimated value, Fresh weight)

Log Pow: 2.64 - 3.78 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)

Bio accumulative Potential: Low potential for bioaccumulation (Log Pow < 4)

12.4: Mobility in Soil

(Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane) (25068-38-6)



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Surface Tension : 58.7 - 58.9 mN/m (20 °C, EU Method A.5: Surface tension)
Log Koc : 2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology soil: Low potential for absorption in soil

SECTION 13: Disposal Considerations

13.1: Disposal Methods No additional information available.

SECTION 14: Transport Information

Department of Transportation (DOT)
In accordance wit DOT
Proper Shipping Name: Not Regulated
Other Information: No additional information available
TDG
Transport by Sea: Not Applicable
Transport by Air: Not Applicable

SECTION 15: Regulatory Information

15.1: US Federal Regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2: Canadian Regulations

No additional information available

Alkyl (C12-C14) Glycidyl Ether (68609-97-2): Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other Information

Other Information Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must



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review the SDS in the context of how the product will be handled and used in the workplace.

Full Text of H Phrases

H 302:	Harmful if swallowed
H 314:	Causes severe skin burn and eye damage
H 315:	Causes skin irritation
H 317:	May cause an allergic reaction
H 319:	Causes serious eye irritation
H 400:	Very toxic to aquatic life
H 410:	Very toxic to aquatic life with long lasting affects
H 411:	Toxic to aquatic life with long lasting affects

NFPA Health Hazards

2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA Fire Hazards

1 - Must be preheated before ignition can occur.

NFPA Reactivity

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMS 111 Rating

Health:

2 Moderate Hazard - Temporary or minor injury may occur

Flammability

1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical:

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any



specific property of the product.

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