

QUALIPUR 182 PART A

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: QUALIPUR 182 PART A**Revision Date:** 10/3/2022**Supplier Details:** Advanced Polymer Technology
109 Conica Lane
109 Conica Lane, Evans City, PA 16033**Contact:** Senior Chemist**Phone:** 724-452-1330**Fax:** 724-452-1703**Email:** info@advpolytech.com**Internet:** www.advpolytech.com**Transportation emergency phone number:** ChemTel Inc. (800)255-3924, +1 (813)248-0585

Classification of Substance**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Germ cell mutagenicity, 2
 Environmental, Hazards to the aquatic environment - Chronic, 2
 Health, Skin corrosion/irritation, 2
 Health, Serious Eye Damage/Eye Irritation, 2 A
 Health, Respiratory or skin sensitization, 1 Skin

GHS Label Elements, Including Precautionary Statements**GHS Signal Word: WARNING****GHS Hazard Pictograms:****GHS Hazard Statements:**

H341 - Suspected of causing genetic defects
 H411 - Toxic to aquatic life with long lasting effects
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H317 - May cause an allergic skin reaction

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P281 - Use personal protective equipment as required.
 P264 - Wash _ thoroughly after handling.
 P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
 P337+313 - Get medical advice/attention.
 P302+352 - IF ON SKIN: Wash with soap and water.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Contains Oxirane,2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis-, Reaction products of Epichlorohydrin and Bisphenol A. May produce an allergic reaction.

Chemical Ingredients:		
CAS#	%	Chemical Name:
106-89-8	<0.01%	Oxirane, (chloromethyl)-
71-43-2	<0.01%	Benzene
25068-38-6	<80%	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane
68609-97-2	<20%	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
17557-23-2	<20%	Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed

Allergic reactions

Nausea

Cramp

Dizziness

Coughing

Hazards No further relevant information available.

Indication of any immediate medical attention and special treatment needed

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Flash Point: 302 °F

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste.

Ensure adequate ventilation.

7	HANDLING AND STORAGE
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Handling Precautions: Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

Storage Requirements: Information about fire - and explosion protection: Keep respiratory protective device available.
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Store away from foodstuffs.
Further information about storage conditions: Keep container tightly sealed.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls: Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal Protective Equipment: Additional information: The lists valid during the making were used as basis.
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device when aerosol or mist is formed.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:
Safety glasses

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment
No further relevant information available.

Risk management measures
No further relevant information available.

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
DNELs No further relevant information available.
PNECs No further relevant information available.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Liquid	Odor:	No data available
Physical State:	Liquid	Solubility:	No data available
Odor Threshold:	No data available	Freezing or Melting Point:	No data available
Specific Gravity or Density:	No data available	Flash Point:	302 °F
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Autoignition Temperature:	Product is not self-igniting.
Partition Coefficient:	No data available	Upper Flammability Limit and Lower Flammability Limit:	No data available
Vapor Pressure:	No data available		
Potentia Hydrogenii:	No data available		
Evaporation Rate:	No data available		
Decompression Temperature:	No data available		

10	STABILITY AND REACTIVITY
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Chemical Stability:	No decomposition if used and stored according to specifications.
Conditions to Avoid identification:	No further relevant information available.
Materials to Avoid identification:	Reacts with oxidizing agents. Reacts with alkali, amines and strong acids.
Hazardous Decomposition:	Phenol Carbon monoxide and carbon dioxide
Hazardous Polymerization:	If in contact with strong amines polymerization may occur.

11	TOXICOLOGICAL INFORMATION
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Acute toxicity:

CAS-No.	Name Oral	LD50, mg/kg	Dermal LD50, mg/kg	Vapor LC50, mg/L
25068-38-6	Bisphenol A, Epichlorohydrin resin	11300	>23200	>20

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Danger through skin adsorption.

The product can cause inheritable damage.

Toxic and/or corrosive effects may be delayed up to 24 hours.

Repeated dose toxicity:

May cause damage to organs through prolonged or repeated exposure .

Repeated exposures may result in skin and/or respiratory sensitivity.

12	ECOLOGICAL INFORMATION
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Aquatic toxicity: Toxic for aquatic organisms

Persistence and degradability Not easily biodegradable

Bioaccumulative potential May be accumulated in organism

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

This statement was deduced from the properties of the single components.

Avoid transfer into the environment.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

Other adverse effects No further relevant information available.

13	DISPOSAL CONSIDERATIONS
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Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

UN-Number**DOT, ADR, ADN, IATA**

N/A

IMDG

UN3082

UN proper shipping name**DOT, ADR, ADN, IATA**

N/A

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction products of Epichlorohydrin and Bisphenol A), MARINE POLLUTANT

Transport hazard class(es)**DOT, ADR, ADN, IATA Class**

N/A

IMDG Class

9 Miscellaneous dangerous substances and articles.

IMDG Label

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Packing group**DOT, ADR, IATA**

N/A

IMDG

III

Environmental hazards:**Marine pollutant:**

Yes, Symbol (fish and tree)

Special precautions for user

Not applicable.

EMS Number:

F-A,S-F

Transport in bulk according to Annex II of**MARPOL73/78 and the IBC Code**

Not applicable.

UN "Model Regulation":

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

Oxirane, (chloromethyl)- (106-89-8) [<0.01%] CERCLA, CSWHS, EHS302, EPCRAWPC, GADSL, HAP, MASS, NJHS, NRC, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Benzene (71-43-2) [<0.01%] CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, HWCRCRA, MASS, NJHS, NRC, OSHAHTS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (25068-38-6) [<80%] TSCA

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2) [<20%] TSCA

Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- (17557-23-2) [<20%] TSCA



WARNING

This product can expose you to chemicals including Epichlorohydrin, and Benzene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

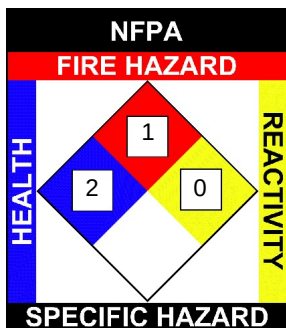
Regulatory CODE Descriptions

CERCLA = Superfund Cleanup Substances
 CSWHS = Clean Water Act Hazardous Substances
 EHS302 = Extremely Hazardous Substance
 EPCRAWPC = EPCRA Water Priority Chemicals
 GADSL = Global Automotive Declarable Substance List (GADSL)
 HAP = Hazardous Air Pollutants
 MASS = MA Massachusetts Hazardous Substances List
 NJHS = NJ Right-to-Know Hazardous Substances
 NRC = Nationally Recognized Carcinogens
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 PROP65 = CA Prop 65
 SARA313 = SARA 313 Title III Toxic Chemicals
 TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
 TSCA = Toxic Substances Control Act
 TXAIR = TX Air Contaminants with Health Effects Screening Level
 TXHWL = TX Hazardous Waste List
 HWCRCRA = RCRA Hazardous Wastes
 OSHAHTS = OSHA Hazardous and Toxic Substances
 PRIPOL = Clean Water Act Priority Pollutants
 TOXICPOL = Clean Water Act Toxic Pollutants

16	OTHER INFORMATION
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NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = n/a

HMIS III: Health = 2(Chronic), Fire = 1, Physical Hazard = 0



HMIS	
HEALTH	☒ 2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	☐

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Date: 10/3/2022