



SAFETY DATA SHEET

AQUACLEAR RESIN - PART A

Section 1 - Product and Company Identification

Product: AQUACLEAR RESIN | CLEAR CASTING RESIN / PART A
Part Numbers SP50001R-A, SP50004R-A, SP50010R-A, SP26001R-A, SP26001QR-A, SP26001GR-A, SP26010GR-A
Date: June 17, 2015
CAS #: Non-Applicable
Product Use: Mold Making and Casting
Manufacturer/Supplier:
Company Name: EnvironMolds, LLC
Company Address: 18 Bank Street / Suite 1
Summit, NJ 07901
Telephone Number: 908-273-5401
Emergency Telephone: 908-273-5401 Mon-Sat 8:00AM to 8:00PM

Section 2 - Hazards Identification

2.1 GHS Classification

Health
Product Not Classified

Environmental
Product Not Classified

Physical
Product Not Classified

2.2 GHS Signal Word, Hazard Statement, Symbol

Pictograms by CLP/GHS:



Signal Word:

Warning

Hazard Statements

Causes mild skin irritation and mild eye irritation.

Precautionary Statements

Wear appropriate protective gloves, protective spectacles, and the protection side.
Wash hands well after handling.
Avoid discharge into the environment.

Section 3 - Composition / Information on Ingredients

List of ingredients was submitted for review and none of the ingredients are hazardous substances.

Section 4 - First Aid

Eye Contact: Flush with large amounts of clean water for 15 minutes. If irritation persists, get medical attention.
Skin Contact: Wash with soap and water. Wash clothing before reuse.
Inhalation: Remove to fresh air if effects occur consult physician.
Ingestion: Side A: Do not induce vomiting. Give large quantities of water. Consult physician immediately.
Side B: Do not induce vomiting. Give large quantities of water. Give one ounce vinegar in one ounce water. Consult physician.

Section 5 - Fire Fighting Measures

Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical.
Fire Fighting Instructions: Treat as a class B fire
Flash Point: > 300°F

**SAFETY DATA SHEET****AQUACLEAR RESIN PART A****Section 6 - Accidental Release Measures**

General: Spills should be absorbed with inert material (sand, vermiculite, etc.), sweep or scoop up and put in disposal container. Flush area immediately with plenty of water; prevent washings from entering waterways.

Section 7 - Handling and Storage

General: Avoid breathing mist or vapors and repeated or prolonged exposure with skin. Avoid eye contact. Do not drink.
Storage: Store and use in well-ventilated area between 70-80F. Avoid excessive temperatures, low or high. Avoid moisture. Containers should be sealed tightly to prevent contamination from foreign materials.

Section 8 - Exposure Controls & Personal Protection

Clothing: Impervious gloves, coveralls, apron, boots as necessary to prevent skin contact.
Eyes: Safety glasses with side shields.
Respiration: NIOSH approved organic vapor respirators are only required when ventilation is inadequate. NIOSH approved air-line respirators with auxiliary escape air tanks or self-contained breathing apparatus should be used in confined spaces.
Ventilation: Use local exhaust to control vapors/mists.

Section 9 - Physical & Chemical Properties

Color: Colorless
Form: Liquid
Odor: Polyol
Specific Gravity: 1.01
Boiling Pt: Not available
Freezing Pt: Not available
Solubility: Partial

Section 10 - Stability & Reactivity

Stability: Stable
Incompatibility: Strong acids, amines, mercaptans, base (in uncontrolled amounts).
Hazardous Decomposition Products: Thermal decomposition may produce Carbon Monoxide and/or Carbon Dioxide.
Hazardous Polymerization: Will not occur.
Conditions To Avoid: Strong acids, amines, mercaptans, base (in uncontrolled amounts).

Section 11 - Toxicological Information

No applicable data for this section

Section 12 - Ecological Information (Non Mandatory)

No applicable data for this section



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Section 13 - Disposal Information (Non Mandatory)

Waste Disposal: Dispose of in compliance with federal, state, or local environmental control regulations. Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Section 14 - Transportation Information (Non Mandatory)

Not regulated by the Department of Transportation

Section 15 - Regulatory Information (Non Mandatory)

CERCLA:	No
SARA Title III, Section 313:	Not Listed
Section 311/312:	N/A
Section 313:	N/A

Hazardous Health Rating: Health: 1 Fire: 1 Reactivity: 1

Section 16 – Other Information

No data available

To the best of our knowledge, the information contained herein is accurate. However, EnvironMolds does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by EnvironMolds hereunder are given gratis and EnvironMolds assumes no obligation or liability for the description, designs, data, and information given or results obtained, all such being given and accepted at your risk.



SAFETY DATA SHEET

AQUACLEAR RESIN - PART B

Section 1 - Product and Company Identification

Product:	AQUACLEAR RESIN CLEAR CASTING RESIN / PART B
Part Numbers	SP50001R-B, SP50004R-B, SP50010R-B, SP26001R-B, SP26001QR-B, SP26001GR-B, SP26010GR-B
Date:	June 17, 2015
CAS #:	Non-Applicable
Product Use:	Mold Making and Casting
Manufacturer/Supplier:	
Company Name:	EnvironMolds, LLC
Company Address:	18 Bank Street / Suite 1 Summit, NJ 07901
Telephone Number:	908-273-5401
Emergency Telephone:	908-273-5401 Mon-Sat 8:00AM to 8:00PM

Section 2 - Hazards Identification

- 2.1 Classification of the substance or mixture**
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
 Acute toxicity, Inhalation (Category 3), H331
 Skin irritation (Category 2), H315
 Eye irritation (Category 2A), H319
 Respiratory sensitisation (Category 1), H334
 Skin sensitisation (Category 1), H317
 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

- 2.2 GHS Label elements, including precautionary statements**
 Pictogram



Signal Word: Danger

Hazard Statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Precautionary Statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear eye protection/ face protection.
P280	Wear protective gloves.
P285	In case of inadequate ventilation wear respiratory protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician.

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P305 + P351 + P338

P333 + P313

P337 + P313

P342 + P311

P362

P403 + P233

P405

P501

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/ attention.

If eye irritation persists: Get medical advice/ attention.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

Take off contaminated clothing and wash before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Lachrymator.

Section 3 - Composition / Information on Ingredients

3.1 Substances

Synonyms:

4,4'-Methylene-bis(cyclohexyl isocyanate)
Bis(4-isocyanatocyclohexyl)methane
4,4'-Diisocyanato-methylenedicyclohexane
4,4'-HMDI

Formula:

C₁₅H₂₂N₂O₂

Molecular Weight:

262.35 g/mol

CAS-No.:

5124-30-1

EC-No.:

225-863-2

Index-No.:

615-009-00-0

Hazardous components

Component	Classification	Concentration
Dicyclohexylmethane-4,4'-di-isocyanate	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2A; Resp. Sens. 1; Skin Sens. 1; STOT SE 3; H315, H317, H319, H331, H334, H335	<= 100 %

No components need to be disclosed according to the applicable regulations.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 - First Aid

Eye Contact:

Flush with large amounts of clean water for 15 minutes. If irritation persists, get medical attention.

Skin Contact:

Wash with soap and water. Wash clothing before reuse.

Inhalation:

Remove to fresh air if effects occur consult physician.

Ingestion:

Side A: Do not induce vomiting. Give large quantities of water. Consult physician immediately.

Side B: Do not induce vomiting. Give large quantities of water. Give one ounce vinegar in one ounce water. Consult physician.

Section 5 - Fire Fighting Measures

Extinguishing Media:

Water spray, foam, carbon dioxide, or dry chemical

Fire Fighting Instructions:

Treat as a class B fire

Flash Point:

369°F



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Section 6 - Accidental Release Measures

General: Spills should be absorbed with inert material (sand, vermiculite, etc.), sweep or scoop up and put in disposal container. Flush area immediately with plenty of water; prevent washings from entering waterways.

Section 7 - Handling and Storage

General: Avoid breathing mist or vapors and repeated or prolonged exposure with skin. Avoid eye contact. Do not drink.

Storage: Store and use in well-ventilated area between 70-80F. Avoid excessive temperatures, low or high. Avoid moisture. Containers should be sealed tightly to prevent contamination from foreign materials.

Section 8 - Exposure Controls & Personal Protection

Clothing: Impervious gloves, coveralls, apron, boots as necessary to prevent skin contact.

Eyes: Safety glasses with side shields.

Respiration: NIOSH approved organic vapor respirators are only required when ventilation is inadequate. NIOSH approved air-line respirators with auxiliary escape air tanks or self-contained breathing apparatus should be used in confined spaces.

Ventilation: Use local exhaust to control vapors/mists.

Section 9 - Physical & Chemical Properties

Color: Clear

Form: Liquid

Odor: No Odor

Specific Gravity: 1.08

Boiling Pt: Not available

Freezing Pt: Not available

Section 10 - Stability & Reactivity

Stability: Stable

Incompatibility: Strong acids, amines, mercaptans, base (in uncontrolled amounts).

Hazardous Decomposition Products: Thermal decomposition may produce Carbon Monoxide and/or Carbon Dioxide.

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Strong acids, amines, mercaptans, base (in uncontrolled amounts).

Section 11 - Toxicological Information

Toxicity Data for Dicyclohexylmethane-4,4' -Diisocyanate

Acute Oral Toxicity

> 11,000 mg/kg (rat)

Acute Inhalation Toxicity

LC50: 434 mg/m³, aerosol, 4 hrs (rat)

LC50: 510 mg/m³, 1 hrs (guinea pig)

Acute Dermal Toxicity

LD50: >10,000 mg/kg (rabbit)



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Skin Irritation

Rabbit, Draize Test, Exposure Time: 24 hrs, moderately irritating

Eye Irritation

Rabbit, Draize Test, Slightly irritating

Sensitization

Inhalation: sensitizer (guinea pig)

Dermal: sensitizer (mouse, mouse ear swelling)

Repeated Dose Toxicity

2 weeks, inhalation: NOAEL: <0.04 mg/l, (rat)

4 weeks, inhalation: NOAEL: 1.06 mg/m³ (rat, male/female, 6 hrs/day 5 days/week)

Mutagenicity

Genetic Toxicity in Vitro

Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)

Toxicity to Reproduction/Fertility

Inhalation, 6 hrs/day 7 days/week, (rat, Male/Female) NOAEL (parental): 1.0 mg/m³, NOAEL (F2): 6.00 mg/m³

Developmental Toxicity/Teratogenicity

Rat, Female, inhalation, 6 hrs/day 7 days/week, NOAEL (teratogenicity): 6 mg/cbm, NOAEL (maternal): 1 mg/cbm

Section 12 - Ecological Information (Non Mandatory)

No applicable data for this section

Section 13 - Disposal Information (Non Mandatory)

Waste Disposal:

Dispose of in compliance with federal, state, or local environmental control regulations. Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Section 14 - Transportation Information (Non Mandatory)

Not regulated by the Department of Transportation

Section 15 - Regulatory Information (Non Mandatory)

This product is hazardous under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910.1200

CERCLA:

SARA Title III, Section 302:

Section 311/312:

Section 313:

Reportable Quantity: Over 5,000 lbs.

Not Listed

Acute Health Hazard, Chronic Health Hazard

Dicyclohexylmethane 4,4' Diisocyanate < 85%

Hazardous Health Rating:

Health: 3 Fire: 1 Reactivity: 1

**SAFETY DATA SHEET****AQUACLEAR RESIN PART B****Section 16 – Other Information**

No data available

To the best of our knowledge, the information contained herein is accurate. However, EnvironMolds does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by EnvironMolds hereunder are given gratis and EnvironMolds assumes no obligation or liability for the description, designs, data, and information given or results obtained, all such being given and accepted at your risk.
