ARTMOLDS
THE ART OF IMITATING LIFE

MATERIAL SAFETY DATA SHEET (2-parts)

SECTION I – Product/Company Identification

1.1 Product Trade Name: **AquaClear Resin Curative PART- A**
1.2 Part (Item) Number: SP26001QW, SP26101QW, SP26001QR, SP26101QR
1.3 Division Name: ArtMolds
1.4 Address: 18 Bank Street
City State ZIP Summit NJ 07901
1.5 Emergency Telephone: 1-866-278-6653
1.6 Information Telephone: 1-908-273-5401
1.7 Date Prepared: 8/28/02 **Date Revised** 9/20/05

SECTION II – Hazardous Ingredients/Identity Information

Hazardous Components	%	SHA PEL	ACGIH TLV	CAS Number
Dicyclohexylmethane –4, 4' –diisocyanate	80-90	0.005ppm	NE	5124301
Isocyanate Terminated Resin	10-20	NE	NE	NE

SECTION III – Physical/Chemical Properties

3.1 Boiling Point: N/A
3.2 Vapor Pressure: 0.001
3.3 Vapor Density: NE
3.4 Solubility in water: Reacts slowly to liberate CO2 Gas
3.5 Appearance and odor: Clear, fluid liquid
3.6 Specific Gravity: 1.06
3.7 Melting point: N/A
3.8 Evaporation rate: <1

SECTION IV – Fire and Explosion Hazard Data

4.1 Flash Point (method used): 395 deg F
4.2 Flammability (explosive limits): **LEL:** NE **UEL:** NE
4.3 Extinguishing media: Foam, carbon dioxide or dry chemical extinguishers. If water is used, it should be used in very large quantities.
4.4 Special fire fighting procedures: Firefighters should wear a full face positive pressure self-contained breathing apparatus and protective clothing. Use cold water to cool fire exposed containers.
4.5 Unusual fire and Explosion hazards: Contamination of Isocyanates with water releases carbon dioxide which may result in a dangerous amount of pressure build-up in closed containers. Do NOT reseal containers.

SECTION V – Reactivity Data

5.1 Stability: **Unstable:** **Stable: X**
5.2 Conditions to avoid: Temperatures over 200 deg F
5.3 Incompatibility (materials to avoid): Strong oxidizers, concentrated hydrogen peroxide, water, bases, alcohols, amines, metal compounds, and surface active materials.
5.4 Hazardous decomposition or byproducts: High temperatures and burning conditions may release isocyanate vapors, carbon dioxide, carbon monoxide, nitrogen oxides, HCN, and tetahydrofuran.
5.5 Hazardous polymerization: **May Occur: X** **May not occur:**
5.6 Conditions to avoid (polymerization) Avoid high temperatures and contact with water.

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SECTION VI – Health Hazard Data

6.1 Primary routes(s) of entry: **Inhalation?:** Yes **Skin?:** Yes **Ingestion?:** Yes

6.2 Health Hazards (acute and chronic): **Acute:** Contact may cause slight irritation of the skin and eyes (tearing). Inhalation of vapors may cause irritation of the mucous membranes in the respiratory tract, running nose, and throat.
Chronic: Prolonged or repeated skin contact can cause reddening, swelling or skin sensitization in susceptible individuals. Repeated or prolonged inhalation of vapors above the TLV can cause immediate or delayed respiratory sensitization and asthma-like conditions.

6.3 Carcinogenicity: **NTP?:** NE **IARC monographs:** NE **OSHA Regulated?:** NE

6.4 Signs and symptoms of exposure: Skin, eye, and respiratory tract infection.

6.5 Medical conditions generally aggravated by exposure: Exposure well above the established TLV may lead to bronchitis, bronchial spasm, and pulmonary edema (fluid in the lungs). These affects are usually reversible.

6.6 Emergency First aid procedures: Skin – remove contaminated clothing and wash the affected area with isopropyl alcohol followed by soap and water. Eyes – Flush with water for at least 15 minutes – contact a physician. Ingestion – Do NOT induce vomiting. Give 2 cups of milk or water and contact a physician. Do not give anything by mouth to an unconscious person. Inhalation - Remove person to fresh air. If person is not breathing give mouth-to-mouth resuscitation and contact a physician.

SECTION VII – Precautions for Safe Handling

7.1 Steps to be taken in case material is released or spilled: Removed all sources of ignition and ventilate area. Cover liquid with absorbent material, sawdust, vermiculite, or wet sand. After the material is absorbed, scoop up and place in open containers. Treat material with the prepared decontamination solution and leave the container open in a well - ventilated area for 48 hours. Spill area should also be decontaminated with the following decontamination solution: 90% water, 2% detergent, and 8% concentrated ammonia or sodium carbonate.

7.2 Waste Disposal methods: Neutralized waste must be disposed of in accordance with federal, state, and local environmental control regulations. Incineration is the preferred method. Decontaminate containers prior to disposal.

7.3 Precautions to be taken in handling and storage: Store in a tightly closed containers in a cool, dry place protected from heat and moisture contamination. Do not reseal if water contamination is suspected.

7.4 Other precaution: Avoid skin and eye contact. Avoid breathing vapors.

SECTION VII – Control Measure / Personal Protection

8.1 Respiratory protection: None needed at normal temperatures. Use a self-contained breathing apparatus under emergency conditions.

8.2 Ventilation: Local Exhaust: Provide mechanical (general) and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

8.3 Protective gloves: Impervious rubber gloves.

8.4 Eye protection: Wear safety glasses or goggles.

8.5 Other protective clothing or equipment: An apron or suitable clothing to prevent skin contact.

8.6 Work/Hygienic practices: Normal cleanliness should be observed.

NFPA – National Fire Protection Association
N/A – Not Applicable
N/E – Not Established

NFPA HAZARD CLASSIFICATIONS	
Health	3
Flammability	1
Reactivity	1
Special	C

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SECTION I – Product/Company Identification

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1.3 Division Name: ArtMolds
1.4 Address: 18 Bank Street
City State ZIP Summit NJ 07901
1.5 Emergency Telephone: 1-866-278-6653
1.6 Information Telephone: 1-908-273-5401
1.7 Date Prepared: 8/28/02 **Date Revised** 9/20/05

SECTION II – Hazardous Ingredients/Identity Information

Hazardous Components	%	SHA PEL	ACGIH TLV	CAS Number
Organomercury Compound	0.3-.05	NE	NE	26545493
Polyether Polyols	<100	NE	NE	NE

SECTION III – Physical/Chemical Properties

3.1 Boiling Point: N/A
3.2 Vapor Pressure: NE
3.3 Vapor Density: >1
3.4 Solubility in water: Slight
3.5 Appearance and odor: Clear liquid, slight odor
3.6 Specific Gravity: 1.017
3.7 Melting point: N/A
3.8 Evaporation rate: <1

SECTION IV – Fire and Explosion Hazard Data

4.1 Flash Point (method used): 430 deg F
4.2 Flammability (explosive limits): **LEL:** NE **UEL:** NE
4.3 Extinguishing media: Foam, carbon dioxide, dry chemical extinguishers.
4.4 Special fire fighting procedures: Firefighters should wear a self-contained breathing apparatus and protective clothing to guard against incompletely combusted carbon products. Cool fire exposed containers with spray.
4.5 Unusual fire and Explosion hazards: None known.

SECTION V – Reactivity Data

5.1 Stability: **Unstable:** **Stable: X**
5.2 Conditions to avoid: NE
5.3 Incompatibility (materials to avoid): Oxidizing agents and strong acids.
5.4 Hazardous decomposition or byproducts: Incompletely burned carbon products, carbon monoxide, and carbon dioxide.
5.5 Hazardous polymerization: **May Occur:** **May not occur: X**
5.6 Conditions to avoid (polymerization)

SECTION VI – Health Hazard Data

6.1 Primary routes(s) of entry: **Inhalation?:** Yes **Skin?:** Yes **Ingestion?:** Yes
6.2 Health Hazards (acute and chronic): **Acute:** On the basis of available information, exposure to this product is not expected to produce any significant adverse health effects when recommended safety precautions are followed.

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Chronic: On the basis of available information, exposure to this product is not expected to produce any significant adverse health effects when recommended safety precautions are followed.

6.3 Carcinogenicity: **NTP?:** NE **IARC monographs:** NE **OSHA Regulated?:** NE
6.4 Signs and symptoms of exposure: Skin and eye irritation.
6.5 Medical conditions generally aggravated by exposure: Repeated contact may cause skin and eye irritation.
6.6 Emergency First aid procedures: Skin – remove contaminated clothing and wash the affected area with isopropyl alcohol followed by soap and water. Eyes – Flush with water for at least 15 minutes – contact a physician. Ingestion – Do NOT induce vomiting. Take 1-2 glasses of water and contact a physician. Do not give anything by mouth to an unconscious person. Inhalation – Remove person to fresh air. If person is not breathing give mouth-to-mouth resuscitation and contact a physician.

SECTION VII – Precautions for Safe Handling

7.1 Steps to be taken in case material is released or spilled: Cover material with an absorbent material, sawdust, vermiculite or wet sand). After material is absorbed, scoop up and place in containers for disposal.

7.2 Waste Disposal methods: Waste must be disposed of in accordance with federal, state, and local environment control regulations. Incineration or bury in a licensed facility. Containers may be disposed of or reclaimed in a routine manner.

7.3 Precautions to be taken in handling and storage Store in a cool dry place in tightly sealed containers. Protect from heat and moisture contamination.

7.4 Other precaution: Avoid skin and eye contact.

SECTION VII – Control Measure / Personal Protection

8.1 Respiratory protection: None needed at normal temperatures. Use a self contained breathing apparatus for high concentrations and under emergency conditions.

8.2 Ventilation: Local Exhaust: Use in a ventilated area. Mechanical (General): Recommended.
8.3 Protective gloves: Impervious.
8.4 Eye protection: Wear safety glasses or goggles.
8.5 Other protective clothing or equipment: An apron or suitable clothing to prevent skin contact.
8.6 Work/Hygienic practices: Normal cleanliness should be observed.

NFPA – National Fire Protection Association
N/A – Not Applicable
N/E – Not Established

NFPA HAZARD CLASSIFICATIONS	
Health	1
Flammability	1
Reactivity	0
Specific Hazard	1