

## Material Safety Data Sheet

Revision Date: 4/6/10

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### 1. Chemical Product and Company Identification

**Product Name:** AC L2002-C42  
**Product Use:** UV-curable Lens Resin

**Company Address**  
Addison Clear Wave Coatings, Inc.  
3555 Legacy Blvd  
St. Charles, IL 60174

**Contact Information**  
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### 2. Composition/Information on Ingredients

Ingredients	CAS No.	Content (%)
Ethoxylated trimethylol propane triacrylate ester	28961-43-5	5-15
Ethoxylated bisphenol A diacrylate ester	64401-02-1	10-20
Isobornyl acrylate ester	5888-33-5	20-40
Bisphenol A epoxy acrylate	55818-57-0	15-30
Gamma-methacryloxy propyltrimethoxy silane	2530-85-0	0.5-2
1-hydroxy-cyclohexyl-phenyl-ketone	947-19-3	<2
		Total 100

### 3. Hazards Identification

**Inhalation:** May cause irritation to nose and throat  
**Skin Contact:** Irritating to skin. May cause allergic skin reaction  
**Eye contact:** Vapors may irritate eyes. Contact with eyes will cause irritation  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed

**Hazard Rating:**

HEALTH: 1  
FLAMMABILITY: 1  
REACTIVITY: 1  
PROTECTIVE: B

Hazard Rating: 4 = Extreme, 3 = serious, 2 = Moderate, 1 = Slight, 0 = minimal, B = Gloves and Eye Protection

### 4. First Aid Measures

**Swallowing:** wash mouth out with water – call physician.

**Skin contact:** wash skin with water and soap.

**Inhalation:** get in some fresh air, and call physician if any symptoms appear.

**Eyes:** Flush eyes with water for at least 15 minutes and call physician.

**Emergency medical treatment procedures:** remove clothing and rinse skin with water. Look for burns or sign of allergic reaction.

## 5. Fire-Fighting Measures

D.O.T.Hazard class: None – NOT REGULATED

Flammability: No

Flash point: > 220 °C

Volatiles by wt. < 0.1%

Water Soluble: Not soluble

Extinguishing media: Foam, dry chemical or carbon dioxide

Special fire Fighting Procedures: wear self-contained breathing apparatus and full protective clothing, such as turn-out gear

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapors

Explosion Data:

Sensitivity to Impact: None

Sensitivity to static discharge: None

Other factors: exposure to high heat above 45 degree C or UV light/sun light may cause a nonhazardous polymerization reaction.

These acrylate resins are 100% solid and are not classified as flammable materials (flash point > 220 °C)

Fire fighting procedure for the event of small fires: water will reduce the intensity of the flames. Fire extinguisher can be used to put out the small fires.

## 6. Spill and Leak Procedures

Do not discharge to waterways

Clean up using inert solvent and dispose the spilled acrylate solvent mixture under Federal, State and local regulations. Avoid over loading plant biomass.

## 7. Handling and Storage

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation

**Storage:** store at 20 to 30°C. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use

**Special Shipping Information:** UN-Number: Not regulated

## 8. Exposure controls and personal protection

Hands: Protect hands with Nitrile or Latex gloves

Eyes: Eye glasses with side-shield or goggles are required

Ventilation: general room ventilation is expected in normal usage and storage. Special local ventilation may be needed if used at elevated temperatures.

Other hygienic and work practices: use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities.

## 9. Physical and Chemical Properties

Physical state:	liquid
Color:	clear
Odor:	Sharp
Odor threshold:	N/A
Vapor pressure:	Less than 10 mm Hg at 27 °C
pH:	N/A
Boiling point:	>160 °C
Melting point:	N/A
Specific Gravity:	1.1
Vapor Density:	N/A
Evaporation rate:	N/A
Solubility in water:	None

## 10. Stability and Reactivity

Stability:	Stable material
Physical Hazard:	Unstable (reactive) upon depletion of inhibitor
Hazardous decompositions products	Oxides of carbon, Oxides of nitrogen, Irritating organic vapors
Incompatibility:	Strong oxidizers, bases, acids, reducing agents, free radical initiators

## 11. Toxicological information

Carcinogenicity: no  
Teratogenicity: no  
Reproductive toxicity: no  
mutagenicity: no

Acute Health Effects: Skin and eye irritant

Chronic Health Effects: No appropriate human or animal chronic health effects data are known to exist.

### Route of Exposure

**INHALATION:** No significant signs or symptoms indicative of adverse health hazard are expected to occur at standard conditions due to the low volatility of the adhesives. Aerosols, or vapors which may be generated at elevated processing temperature may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.

### **EYE CONTACT – Primary route**

Although no appropriate human or animal health effects data are known to exist, these materials are expected to cause slight eye irritation.

### **SKIN ABSORPTION**

Although no appropriate human or animal health effects data are known to exist, these materials are not expected to be a health hazard by skin absorption.

**SKIN IRRITATION – Primary route**

Although no appropriate human or animal health effects data are known to exist, these materials are expected to cause slight skin irritation, and may cause an allergic skin reaction (sensitization) in susceptible individuals upon repeated exposure.

**INGESTION**

No appropriate human or animal health effects data are known to exist.

**12. Ecological Information**

Ecological Information: not available

**13. Special Label Information**

**Use Statement:**

For Industrial Use Only  
Keep Out of Reach of Children

**Signal Word**

Caution

**Physical Hazard**

Unstable (reactive) Upon Loss of Inhibitor

**Health Hazards**

May Cause Slight Eye and Skin Irritation  
May Cause Allergic Skin Reaction

**Precautionary Measures**

Do Not Handle Near Heat, Sparks, or Open Flame  
Avoid Oxidizing Agents  
Use Only with Adequate Ventilation/Personal Protection  
Keep Container Closed When Not In Use  
Avoid Contact with Eyes, Skin, and Clothing  
Avoid Contact with Skin  
Do Not Take Internal, Taste or Swallow  
Prevent Contact with Food, Chewing, or Smoking Materials  
Wash Thoroughly After Handling

**14. Disposal Considerations**

Information provided is for unused product only

Recommended method of disposal: Dispose of in accordance with federal and local regulations.

**15. Transportation Information**

**Ground transportation:**

Proper shipping name:	Unrestricted
Hazard Class or division:	None
Identification number:	None
Packing group:	None



**Air transportation:**

Proper shipping name:	Unrestricted
Hazard Class or division:	None
Identification number:	None
Packing group:	None

**Air transportation:**

Proper shipping name:	Unrestricted
Hazard Class or division:	None
Identification number:	None
Packing group:	None
Marine Pollutant:	None

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