

REVISED  
July/2014



## MATERIAL SAFETY DATA SHEETS

### 1. CHEMICAL PRODUCT

Adhesive Systems, Inc.

9411 Corsair Road

Frankfort, IL 60423

1-800-552-0299 Phone

1-815-464-5650 Fax

**EMERGENCY PHONE 1-800-255-3924**

Product Name: 90TL

Technical Name: Anaerobic Adhesive

### 2. HAZARDS IDENTIFICATION

Toxicity: Mild irritant.

Primary Routes of Entry: Eyes, skin

Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: Maleimide resin: Dermatitis

Health Classification: 2

Irritant: Irritating to respiratory, skin irritation, risk of serious damage to eyes

Symbol:   Xi-irritant  
Signal Word: Warning

#### Other hazards

This product contains a solid compound, which in powder form is classified as very toxic by inhalation. The product is not labeled accordingly as such exposure can be excluded under normal and foreseeable conditions. In the case that the product is used divergently under formation of aerosols, measures have to be observed to exclude inhalational exposure.

### 3. COMPOSITION AND INFORMATION ON HARMFUL INGREDIENTS

Ingredients	CAS No.	%
Polyglycol dimethacrylate	25852-47-5	80-90
Aromatic dimethacrylate	24448-20-2	1-10
Hydroxy methacrylate	868-77-9	1-10
Organic peroxide*	80-15-9	1-2

\* This component is listed as a SARA Section 313 Toxic Chemical.

#### Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Organic peroxide	None	None	1ppm(6mg/m3) Skin(WHEEL)



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## 4. FIRST AID MEASURES

Ingestion: Do not try to induce vomiting. Stay calm. Seek medical attention.

Inhalation: Remove to fresh air, if symptoms persist, seek medical attention.

Skin Contact: Flush with water.

Eye Contact: Flush with water for at least 15 minutes. Seek medical attention.

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## 5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F

Extinguishing Agents: Carbon dioxide, foam, dry chemical Special Firefighting

Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors

Unusual Fire or Explosion Hazards: None

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## 6. ACCIDENTAL RELEASE MEASURES

Eyes: Safety glasses or goggles.

Skin: Neoprene, rubber, or butyl rubber gloves.

Ventilation: Does not apply

Respiratory: Not available

Steps to be taken in case of spill or leak:

Soak up with an inert absorbent.  
Store in closed container until  
disposal.

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## 7. HANDLING AND STORAGE

Safe Storage:

Handling:

Store in a cool dark location.

Avoid prolonged contact with eyes and skin.

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## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Neoprene, rubber, or butyl rubber gloves.

Ventilation: Does not apply

Respiratory: Not available

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid

Odor: Mild

Boiling Point: More than 300°F

pH: Does not apply

Solubility in Water: Slight

Specific Gravity 1.1 at 25°C

Vapor Pressure: Less than 0,5 mmbar at 25°C

Vapor Density: Not available

Evaporation Rate: Not available

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Evaporation Rate: Not available

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## 11. REACTIVITY AND STABILITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: None  
Conditions to Avoid: Not available  
Hazardous Decomposition Products (non-thermal): None

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## 11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 10000 mg/kg.  
Estimated dermal LD50 more than 1500 mg/kg.  
Carcinogenicity: not available  
Reproductive toxicity: not available  
Germ Cell Mutagenicity: not available

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## 12. ECOLOGICAL INFORMATION

No data available

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## 13. DISPOSAL INFORMATION

Disposal method:  
Waste Treatment methods: unavailable  
Sewage Treatment methods: unavailable  
Product/packaging disposal  
This material must be disposed in compliance with local, state, and federal regulations.  
Waste Codes: unavailable

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## 14. TRANSPORTATION INFORMATION

DOT (Department of Transportation):  
Shipping Name: None  
Hazard Class: None  
IATA: None  
IMO: None  
Labels: None



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## 15. REGULATORY INFORMATION

None

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## 16. OTHER INFORMATION

### Risk phrases:

R37/38 Irritating to respiratory system and skin. R41

Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

### Safety phrases:

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28

After contact with skin, wash immediately with plenty of water and soap.

S37/39 Wear suitable gloves and eye/face protection.

S51 Use only in well-ventilated areas.

### Additional labeling:

For consumer use only: S2 Keep out of the reach of children

S46 If swallowed, seek medical advice immediately and show this container or label.

### Contains:

Hydroxypropyl methacrylate,

Maleic acid

HMIS  
NFPA

HEALTH 1  
HEALTH 1

FLAMMABILITY 1  
FIRE HAZARD 1

REACTIVITY 1  
REACTIVITY 1

## Revised July 2014

**NON-WARRANTY:** Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.

## Engineering Excellence

For technical information

and support call **1-800-552-0299** or visit our website at

**[www.instantca.com](http://www.instantca.com)**

