

REVISED  
May/2014



## MATERIAL SAFETY DATA SHEETS

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### 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: **43TL**

Technical Name: **Anaerobic Adhesive**

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### 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 Condition Aggravated by Exposure: None Known

Health Classification: 2

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

Symbol:   Xi-irritant

Signal Word: Warning

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

#### 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.



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## 3. COMPOSITION AND INFORMATION ON HARMFUL INGREDIENTS

Ingredients	CAS No.	%
Polyglycol dimethacrylate	25852-47-5	65-80
Bisphenol A fumarate resin	39382-25-7	15-25
Organic peroxide*	80-15-9	1-2
Benzoic	81-07-02	1-2
Amorphous silica	112945-52-5	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)	OTHE
Silica, amorphous	10mg/m3 (Inhal)	20 mppcf	6 mg/m3 3mg/m
3 (Resp) Organic peroxide	None	None	
1ppm(6mg/m3)Skin(WHEEL)			

## 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.**

## 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 Decomposition: Irritating organic vapors

Unusual Fire or Explosion Hazards: None

## 6. ACCIDENTAL RELEASE MEASURES

**Soak up with an inert absorbent. Store in a partly filled, closed container.**

**Dispose in accordance with pertinent national legislation**

## 7. HANDLING AND STORAGE

**Store at or below 100°F to maximize shelf life. Avoid skin and eye contact. Avoid inhalation of vapors.**



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## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Eye Protection: Safety goggles or glasses.

Respiratory Protection: Always use appropriate filter mask / respirator.

Skin Protection: Butyl or nitrile gloves are recommended.

Ventilation: Good air circulation and ventilation is adequate.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue 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

Flash Point: >200 F

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## 10. 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 5000 mg/kg.

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## 12. ECOLOGICAL INFORMATION

Keep product from entering waterways.

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## 13. DISPOSAL INFORMATION

**Disposal method:**

**This material must be disposed in compliance with local, state, and federal regulations.**

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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

HMIS  
NFPA

HEALTH 1  
HEALTH 1

FLAMMABILITY 1  
FIRE HAZARD 1

REACTIVITY 1  
REACTIVITY 1

### **Revised May 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)**

