

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:** 21TL and 22TL

**Technical Name:** Anaerobic Adhesive

### 2. HAZARDS IDENTIFICATION

Primary Routes of Entry: Not Available

Symptoms of Exposure: Vapor is irritating to eyes, skin, and nose.

Prolonged and repeated contact may cause allergic reactions in sensitive individuals.

Medical Conditions Aggravated

by Exposure: No applicable information found.

Health Classification : Category 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.	OSHA TLV	ACGIH TLV	Other Limits	%Composition
Polyglycol Dimethacrylate	25852-47-5	N/A	N/A	N/A	45-50
Polyglycol Oleate	9004-96-0	N/A	N/A	N/A	30-40
Silica, Amorphous Treated	68909-20-6	18mppcf	10mg/m <sup>3</sup>	6mg/m <sup>3</sup>	4-6
Saccharin	81-07-02	N/A	N/A	N/A	4-6
Propylene Glycol	57-55-6	N/A	N/A	N/A	2-4
Cumene Hydroperoxide	80-15-9	N/A	N/A	1ppm (6mg/m <sup>3</sup> )	1-3
Titanium Dioxide	13463-67-7	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N/A	0.1-1.1
N,N-Dialkyltoluidines	613-48-9	N/A	N/A	N/A	0.1-1.1



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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

Extinguishing Media: Foam, dry chemical, or CO2

Special Fire Fighting Procedures: Wear self contained breathing apparatus

Unusual Fire / Explosion Hazards: None

Hazardous Thermal Decomposition Products: Irritating organic vapors

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## 6. ACCIDENTAL RELEASE MEASURES

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

Dispose in accordance with pertinent national legislation

**Eyes:** Safety glasses or goggles.

**Skin:** Neoprene, rubber, or butyl rubber gloves.

**Ventilation:** Does not apply

**Respiratory:** Not available

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## 7. HANDLING AND STORAGE

Store in a cold dark location to maximize shelf life. Avoid skin and eye contact. Avoid inhalation of vapors.

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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

Form: Liquid	
Color: Purple	
Odor:	Mild
Solubility in Water:	Slight
Boiling Point:	>300°F
Specific Gravity @ 70°F:	1.05
Vapor Pressure @ 80°F:	<5mm
Flash Point:	>200°F

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## 10. REACTIVITY AND STABILITY

Stability:	Stable
Hazardous Polymerization:	Will not
occur Incompatibility:	None
Conditions to Avoid:	No applicable information found
Hazardous Decomposition Products:	None

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## 11. TOXICOLOGICAL INFORMATION

Estimated Oral LD50:	>5000 mg/kg
Estimated Dermal LD50:	>2000 mg/kg

Liquid is a skin and eye irritant. Vapors may irritate eyes, nose, and throat.  
Carcinogenicity: not available  
Reproductive toxicity: not available  
Germ Cell Mutagenicity: not available

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## 12. ECOLOGICAL INFORMATION

None.

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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

D.O.T. Information  
Not considered hazardous for the purposes of transportation.  
IATA/ICAO: Not considered hazardous for the purposes of transportation.  
IMDG: Not considered hazardous for the purposes of transportation.



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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

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**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)**

