

REVISED  
Sept./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: Torque 174**  
**Technical Name: Anaerobic Adhesive**

### 3. HAZARD IDENTIFICATION

Toxicity: Liquid and Vapors are an eye and skin irritant.  
Primary Routes of Entry: None known  
Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact insensitive individuals.  
Existing Conditions Aggravated by Exposure: None

**Hazard Classification: Category 3**  
**Physical Classification:**  
**Symbol: None**  
**Signal Word: None**

**Health Classification:**  
**Irritant: Causes mild skin irritation**



**Symbol:**  
**Signal Word: Warning**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients                   | CAS No.     | %     |
|-------------------------------|-------------|-------|
| Aromatic dimethacrylate       | 24448-20-2  | 10-20 |
| Urethane dimethacrylate resin | Proprietary | 10-20 |
| Hydroxy methacrylate          | 868-77-9    | 5-10  |
| Polyglycol dimethacrylate     | 25852-47-5  | 50-70 |
| Organic peroxide*             | 80-15-9     | 1-2   |
| Benzoic sulphimide            | 81-07-2     | 1-3   |

\* This component is listed as a SARA Section 313 Toxic Chemical. Ingredients which have exposure limits

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

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## TORQUE 174

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### 4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.  
Inhalation: Does not apply  
Skin Contact: Wash with soap and water.  
Eye Contact: Flush at least 15 minutes with plenty of water. Obtain medical attention.

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### 5. FIREFIGHTING 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

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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: Store at or below 100°F  
Handling: Avoid prolonged contact with eyes and skin.

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### 8. EXPOSURE 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: Red 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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### 10. REACTIVITY

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

No data available

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### 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste Number NH - Not a RCRA Hazardous Waste Material

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### 14. TRANSPORTATION INFORMATION

D.O.T. Information  
Not considered hazardous for the purposes of transportation.

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### 15. REGULATORY INFORMATION

None

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### 16. OTHER INFORMATION

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|------|----------|----------------|--------------|
| HMIS | HEALTH 1 | FLAMMABILITY 1 | REACTIVITY 1 |
| NFPA | HEALTH 1 | FIRE HAZARD 1  | REACTIVITY 1 |

#### **Revised September 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.

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

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