

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 181

Technical Name: Anaerobic Adhesive

2. 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 2

Physical Classification:

Symbol: None

Signal Word: None

Health Classification:

Irritant: Causes mild skin irritation



Symbol:

Signal Word: Warning

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Hydroxy methacrylate	868-77-9	1-2
Polyglycol dimethacrylate	25852-47-5	50-70
Organic peroxide*	80-15-9	1-2
Epoxy resin	25068-38-6	30-50
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)	OTHER
Amorphous silica,	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA
Organic peroxide	None	None	1ppm(6mg/m3)

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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.

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

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.

7. HANDLING AND STORAGE

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

8. EXPOSURE AND PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Neoprene, rubber, or butyl rubber gloves.
Ventilation: Does not apply
Respiratory: Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid
Odor: Sharp irritating
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 20°C
Vapor Density: Not available
Evaporation Rate: Not available

10. REACTIVITY

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 1000 mg/kg.
Estimated dermal LD50 more than 1500 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

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

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

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.

Engineering Excellence

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

www.instantca.com