



MATERIAL SAFETY DATA SHEETS

1. CHEMICAL PRODUCT

Adhesive Systems, Inc.
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Product Name: Torque 154

Technical Name: Anaerobic Adhesive

2. HAZARD IDENTIFICATION

Toxicity:

Mild irritant.

Primary Routes of Entry:
Signs and Symptoms
of Exposure:

Eyes, skin

May cause dermatitis on prolonged contact in
sensitive individuals.

Existing Conditions
Aggravated by Exposure:

None Known

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.	%
Polyglycol dimethacrylate	25852-47-5	50-70
Organic peroxide*	80-15-9	1-2
Amorphous silica	112945-52-5	1-3
Hydroxy methacrylate	27813-02-1	10-20
Bisphenol A fumarate resin	39382-25-7	10-20

* 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 resp. Dust
Organic peroxide	None	None	1ppm(6mg/m3) Skin(WEEL)

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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:	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

10. REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 10000 mg/kg.
Estimated dermal LD50 more than 1500 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

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13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:
regulations.
EPA Hazardous Waste Number

Incinerate following EPA and local

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None
NH - Not a RCRA Hazardous Waste Material

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

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



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