

REVISED
Sept./ 2014



MATERIAL SAFETY DATA SHEETS

1. CHEMICAL PRODUCT

Adhesive Systems, Inc.
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Product Name: Torque 171

Technical Name: Anaerobic Adhesive

2. HAZARDOUS IDENTIFICATIONS:

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 in sensitive individuals.

Existing Conditions Aggravated by Exposure: Acrylic acid: Upper respiratory and lung diseases, dermatitis

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	10-20
Urethane methacrylate resin	5888-33-5	40-60
Hydroxyalkyl methacrylate	27813-02-1	20-30
Acrylic acid*	79-10-7	1-5
Organic peroxide*	80-15-9	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
Organic peroxide	None	None	1ppm(6mg/m3) Skin(WEEL)
Hydroxyalkyl methacrylate	None	None	1 ppm TWA 3 ppm STEL
Acrylic acid	2 ppm TWA skin 5.9 mg/m3 skin	0 ppm TWA skin 30 mg/m3 skin	1 ppm TWA skin 3 ppm STEL skin

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4. FIRST AID MEASURES:

INGESTION:	DO NOT induce vomiting, Keep individuals calm. OBTAIN MEDICAL ATTENTION
INHALATION:	Not Applicable
SKIN CONTACT:	Flush with water 15 minutes minimum
EYE CONTACT:	Flush with water 15 minute minimum

5. FIRE FIGHTING MEASURES:

Flash Point: >200°F
Extinguishing Media: Dry chemical or CO2.
Special Fire Fighting Procedures: Wear self contained breathing apparatus.

6. SPILL OR LEAK PROCEDURES:

EYES: Safety glasses with side shields or goggle recommended
SKIN: Rubber or plastic gloves recommended
VENTILATION: Not applicable
RESPIRATORY: Not available

STEP TO BE TAKEN IN CASE OF SPILL OR LEAK: Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING & STORAGE:

STORAGE: Store below 100°F in original sealed container.
HANDLING: Avoid prolong skin contact
Shelf Life: 12 months when stored properly in original sealed container

8. PERSONNEL PROTECTION:

EYES: Safety glasses with side shields or goggle recommended
SKIN: Rubber or plastic gloves recommended
VENTILATION: Not applicable
RESPIRATORY: Not available

9. CHEMICAL AND PHYSICAL 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. STABILITY & REACTIVITY DATA :

Stability: Stable under normal conditions.
Hazardous Polymerization: May occur in the presence of incompatible materials.
Incompatibility: Peroxides, oxidizers, copper, steel, iron, rust, and bases.
Conditions to Avoid: Storage >100°F, sunlight, and incompatible materials.
Hazardous Decomposition Products: Carbon and nitrogen oxides, organics.

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11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.
Estimated dermal LD50 more than 2000 mg/kg.

12. ECOLOGICAL INFORMATION:

No Data available

13. DISPOSAL CONSIDERATION:

RECOMMENDED METHOD OF DISPOSAL: Incinerate following EPA and local regulations

EPA HAZARDOUS WASTE NUMBER: Non-hazardous. Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

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

15. REGULATORY INFORMATION

California Proposition 65: This product contains saccharin which is known to cause cancer in laboratory animals. If used as intended, there is no requirement for Proposition 65 hazard warning.

OSHA: 29 CFR 1910.1200

CERCA-SARA Hazard Category: Chronic health hazard, reaction hazard.

SARA Section 313: This product contains the following substance which requires reporting: Cumene Hydroperoxide CAS# 80-15-9

TSCA 12(B): None listed.

16. OTHER INFORMATION

HMIS	HEALTH 2	FLAMMABILITY 1	REACTIVITY 1
NFPA	HEALTH 2	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.

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www.instantca.com