**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**

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**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) |

## 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 Decomp 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 Gravity1.1 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

## 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 |

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**www.instantca.com**