

Revised  
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# MATERIAL SAFETY DATA SHEETS

## TORQUE 181

<b>HMIS;</b>	<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>1</b>	<b>REACTIVITY</b>	<b>1</b>
<b>NFPA</b>	<b>HEALTH</b>	<b>1</b>	<b>FIRE HAZARD</b>	<b>1</b>	<b>REACTIVITY</b>	<b>1</b>

### 1. GENERAL INFORMATION

PRODUCT NAME: Torque 181 RC  
TECHINICAL NAME: Anaerobic

### 2. 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 resp. Dust
Organic peroxide	None	None	1ppm(6mg/m3)

### 3. HAZARD IDENTIFICATION

Toxicity: Mild irritant.

Primary Routes of Entry: Eyes, skin

Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: none

### 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



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### 6. ACCIDENTAL RELEASE MEASURES

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:  
Handling:

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

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### 8. EXPOSURE AND PERSONAL PROTECTION

Eyes:  
Skin:  
Ventilation:  
Respiratory

Safety glasses or goggles.  
Neoprene, rubber, or butyl rubber gloves.  
Does not apply  
Not available

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:  
Odor:  
Boiling Point:  
pH:  
Solubility in Water:  
Specific Gravity  
Vapor Pressure:  
Vapor Density:  
Evaporation Rate

Green Liquid  
Sharp irritating  
More than 300°F  
Does not apply  
Slight  
1.1 at 25°C  
Less than 0.5 mmbar at 20°C  
Not available  
Not available

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### 10. REACTIVITY

Stability:  
Hazardous Polymerization:  
Incompatibility:  
Conditions to Avoid:  
Hazardous Decomposition  
Products (non-thermal):

Stable  
Will not occur  
None  
Not available  
None

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### 11. TOXICOLOGICAL INFORMATION

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

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### 12. ECOLOGICAL INFORMATION

No data available

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### 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:  
EPA Hazardous Waste Number

Incinerate following EPA and local regulations.  
NH - Not a RCRA Hazardous Waste Material



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### 14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name:  
Hazard Class or Division:  
Identification Number:  
Marine Pollutant:  
IATA  
Proper Shipping Name:  
Class or Division:  
UN or ID Number:

Unrestricted  
Unrestricted  
None  
None  
Unrestricted  
Unrestricted  
None

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