

Revised
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MATERIAL SAFETY DATA SHEETS

TORQUE 178

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

1. GENERAL INFORMATION

PRODUCT NAME: Torque 178 RC
TECHINICAL NAME: Anaerobic

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Aromatic dimethacrylate	24448-20-2	30-40
Hydroxy methacrylate	868-77-9	1-3
Polyglycol dimethacrylate	25852-47-5	40-60
Organic peroxide*	80-15-9	1-2
ACRYLIC ACID*	79-10-7	1-5
PTFE	9002-84-0	1-5

* 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
ACRYLIC ACID	2 ppm TWA skin 5.9 mg/m ³ skin	10 ppm TWA skin 30 mg/m ³ skin	1 ppm TWA skin 3 ppm STEL skin
Organic peroxide	None	None	1ppm(6mg/m ³)

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.

7. HANDLING AND STORAGE

Safe Storage:
Handling:

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

8. EXPOSURE AND PERSONAL PROTECTION

Eyes:
Skin:
Ventilation:
Respiratory

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Yellow Liquid
Mild
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

10. REACTIVITY

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

Stable
Will not occur
None
Not available
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

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

Engineering Excellence

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