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MATERIAL SAFETY DATA SHEET
TORQUE 165, 192, 193
THREADSEALER

HMIS	HEALTH	2	FLAMMABILITY	1	REACTIVITY	1
NFPA	HEALTH	2	FIRE HAZARD	1	REACTIVITY	1

1. Chemical Product

Product Name: Torque 165, 192, 193
Product Type: Threadsealer

2. Composition and Information on Harmful Ingredients

Ingredients	CAS#	OSHA PEL	ACGIH TLV	% Composition
Methacrylated Polyol	25852-47-5	N/A	N/A	40-55
Dibutyl Maleate	105-76-0	N/A	N/A	25-35
Polytetrafluoroethylene	9002-84-0	N/A	N/A	1-5
Cumene Hydroperoxide	80-15-9	50ppm	50ppm	0.5-1
Sodium Sulfimide	81-07-2	N/A	N/A	0.1-0.5

3. Hazards Identification

Ingestion: This product may be moderately toxic.
Skin: This product may cause moderate skin injury.
Inhalation: Vapors may be irritating.
Eyes: This product will cause reddening, watering, and possibly swelling.
Routes of Exposure: Skin and eye contact. Ingestion is not a likely source.

4. First Aid Measures

Ingestion: If swallowed, DO NOT induce vomiting. Seek medical attention.
Inhalation: Remove to fresh air, if symptoms continue, seek medical attention.
Skin Contact: Wash with soap and water for 15 minutes.
Eye Contact: Flush with water for at least 15 minutes, and seek medical attention.



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5. Fire Fighting Measures

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

6. Accidental Release Measures

Contain spilled material. Cover with inert absorbent. Scoop into containers for proper disposal.

7. Handling and Storage

Store below 100°F. Keep unused containers closed. Store out of direct sunlight.

8. Exposure Control and Personal Protection

Ventilation:	Good air circulation and ventilation is adequate.
Respiratory Protection:	If exposure limits are exceeded, wear NIOSH respirator.
Skin Protection:	Impervious gloves and appropriate clothing are recommended.
Eye Protection:	Safety glasses as a minimum.

9. Physical and Chemical Properties

Appearance:	Off-white paste	Odor:	Benign
Specific Gravity:	1.2	Solubility in water:	Practically insoluble
Vapor Pressure:	Not established	V.O.C.:	<20g/L

10. Reactivity and Stability

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.

11. Toxicological Information

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Methacrylated Polyol	N.D.	N.D.	N.D.
Dibutyl Maleate	N.A.	N.A.	N.A.
Polytetrafluoroethylene	N.A.	N.A.	N.A.
Cumene Hydroperoxide	2000mg/kg (rat)	1500mg/kg (rat)	220ppm (4H)
Sodium Sulfimide	17000mg/kg (mouse)	N.A.	N.A.

CARCINOGENICITY: Sodium Sulfimide is listed as a carcinogen by IARC, NTP, OSHA, and ACGIH. Occupational exposure has caused no known problems.



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12. Ecological Information

No data available. Keep product from entering waterways and streams.

13. Disposal Considerations

This product must be disposed of in accordance with all national and local regulations.

14. Transportation 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.

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

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